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Smith Inst.

UNITED STATES

EXPLORING EXPEDITION.

DURING THE YEARS

1838, 1839, 1840, 1841, 1842.

UNDER THE COMMAND OF

CHARLES WILKES, U. S. N.

ATLAS.

BOTANY.

PHANEROGAMIA.

VOL. I.

BY

ASA GRAY, M.D.

BY AUTHORITY OF CONGRESS. /



PHILADELPHIA:

C. SHERMAN & SON, PRINTERS.

1856.

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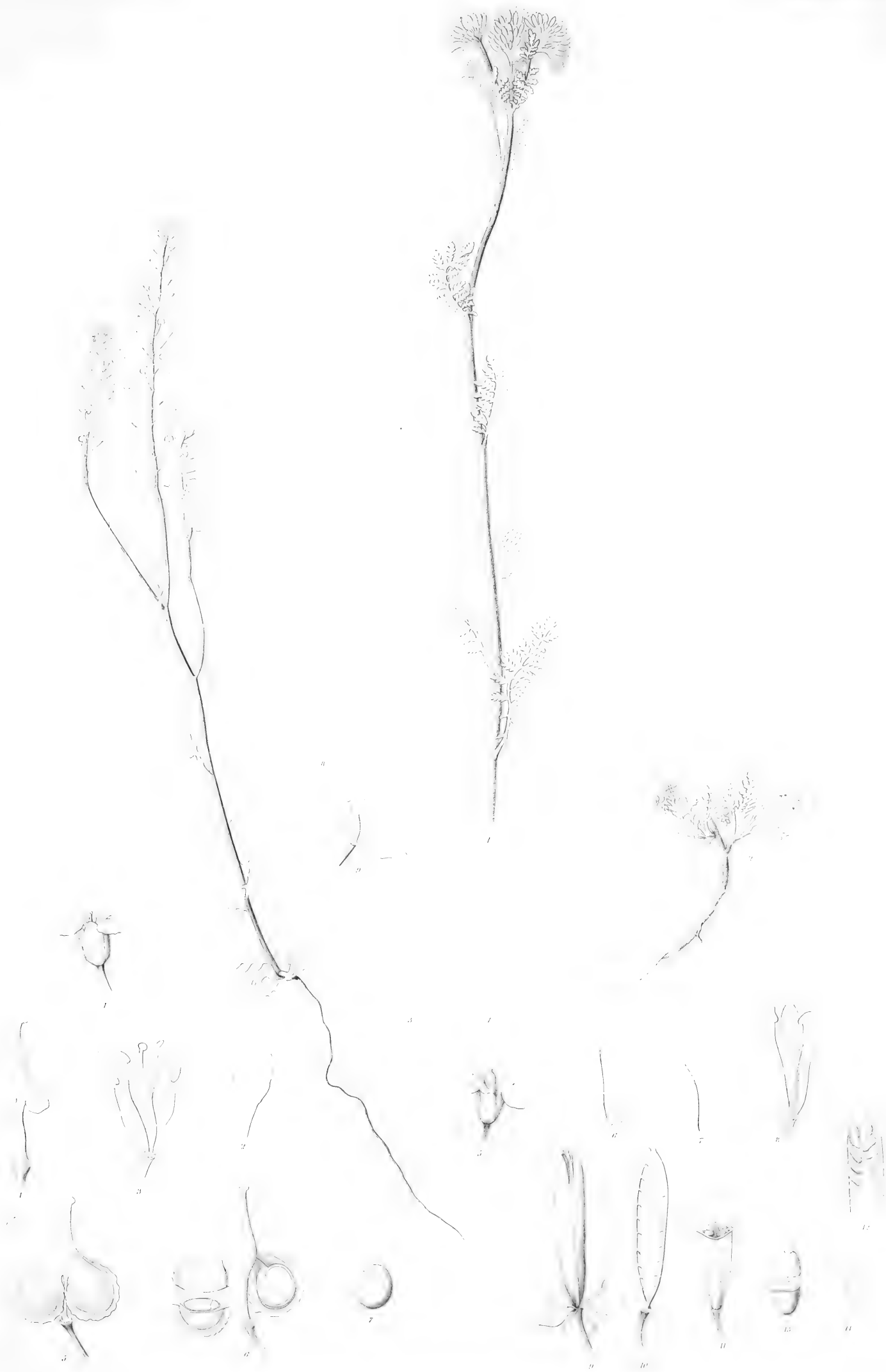
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Richella monosperma.

Sprague del.

H. H. Dengal. Sc.



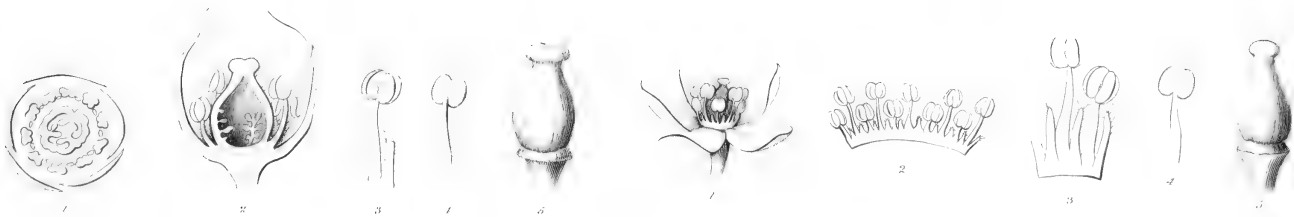
A. *Cremolobus aphanopterus*.

B. *Sisymbrium alirocarpum*.



A. *Xylosma suaveolens*.

B. *Xylosma orbiculatum*.



B. *Casearia Richii*.

A. *Casearia disticha*.

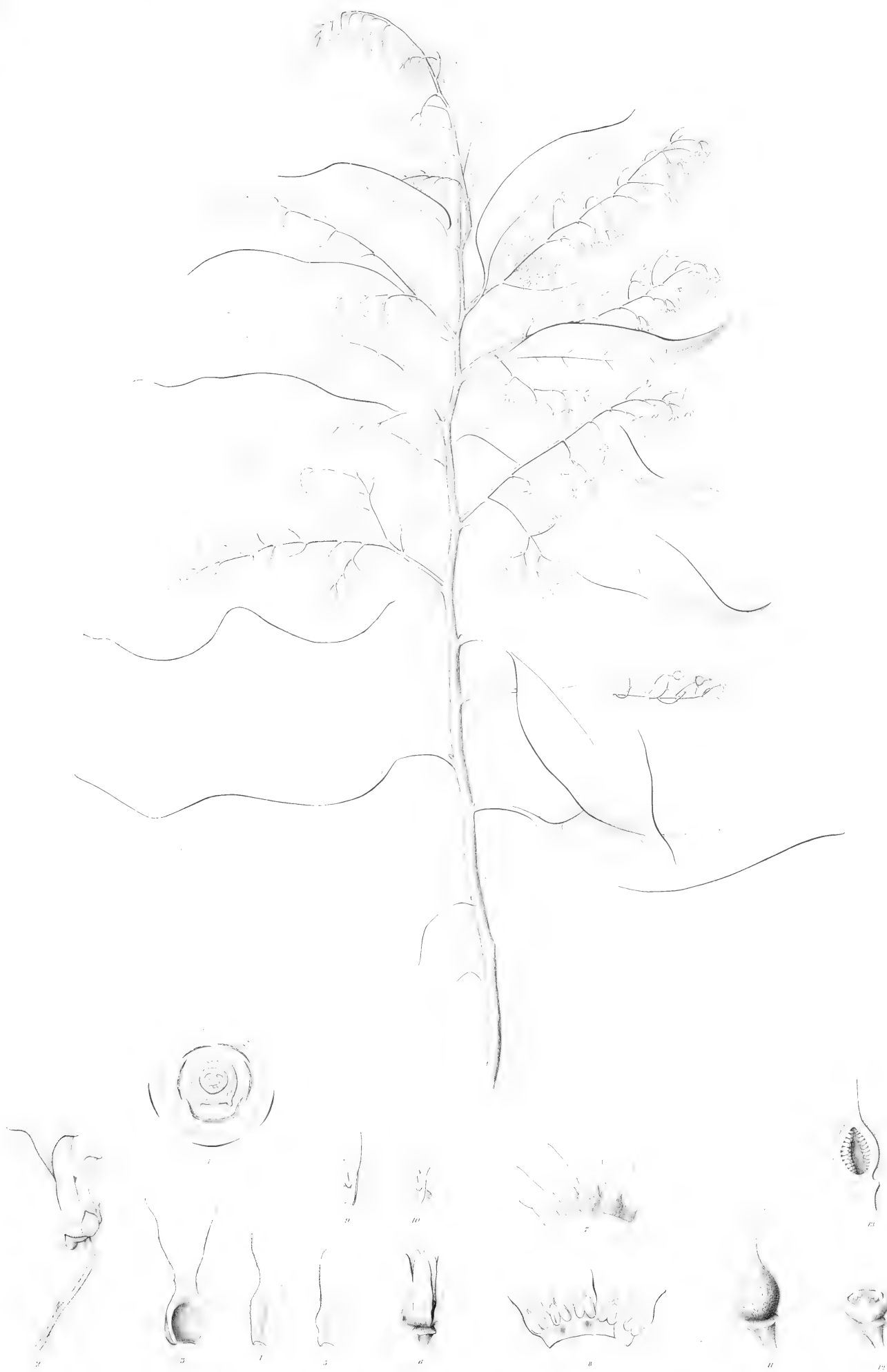


Viola Chamissoniana.

Sprengel del.

W. H. Duguet sc.





Agatea violaris.

Sprague del.

H. H. Dougal Sc.





Isodendron longiolum.



B. *Silene lanceolata*.

A. *Silene struthioloides*.



A. *Schiedea spergulina*.

B. *Schiedea diffusa*.



Hibiscus Brackenridgei.



Firmiana diversifolia.



Dichidocarpus Richii.



Draytonia rubicunda.

Sprague del.



A. *Discostigma Vitiense*.

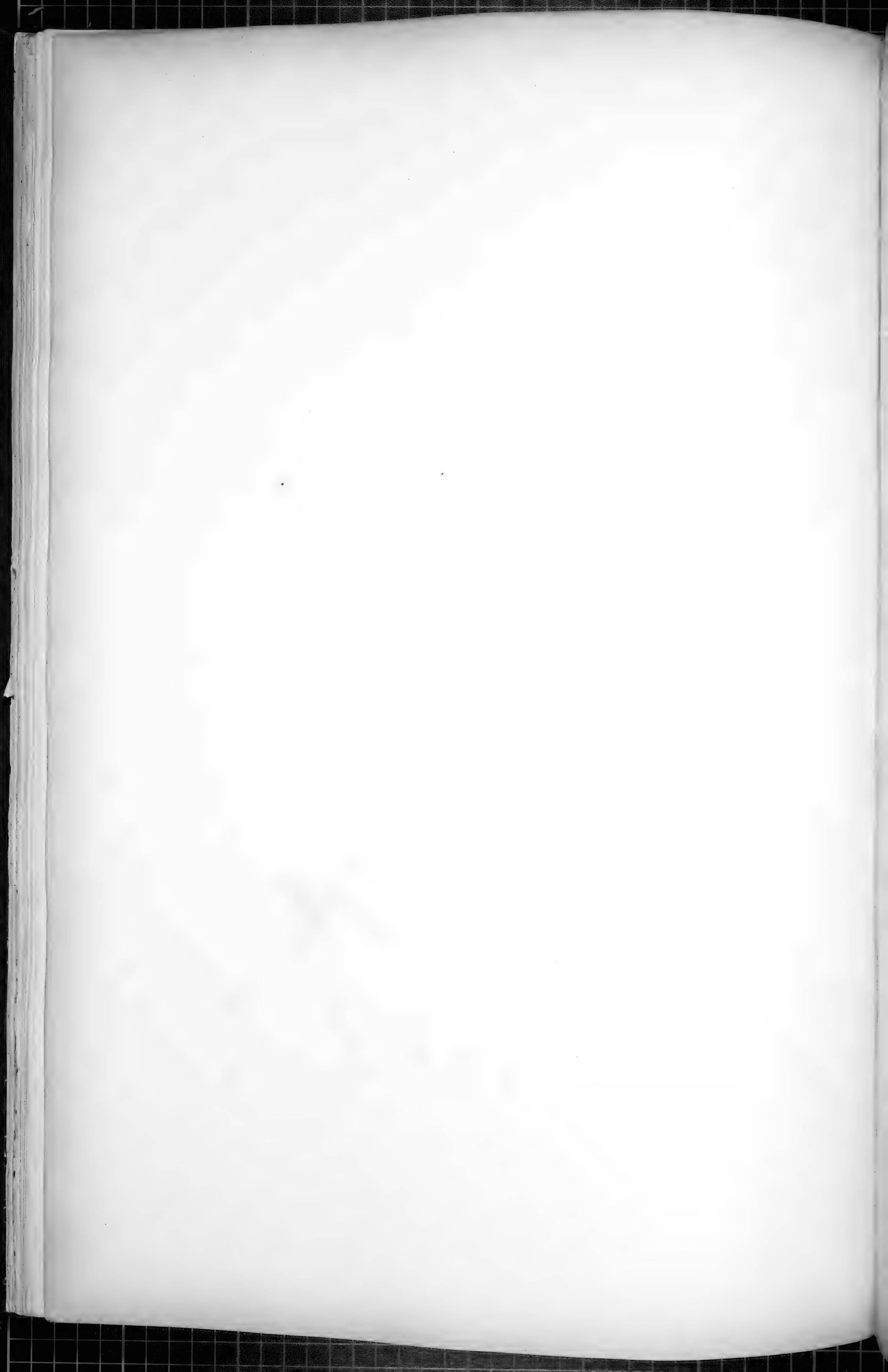
B. *Vavaea Amicorum*.





A. *Pittosporum Brackenridgei*.

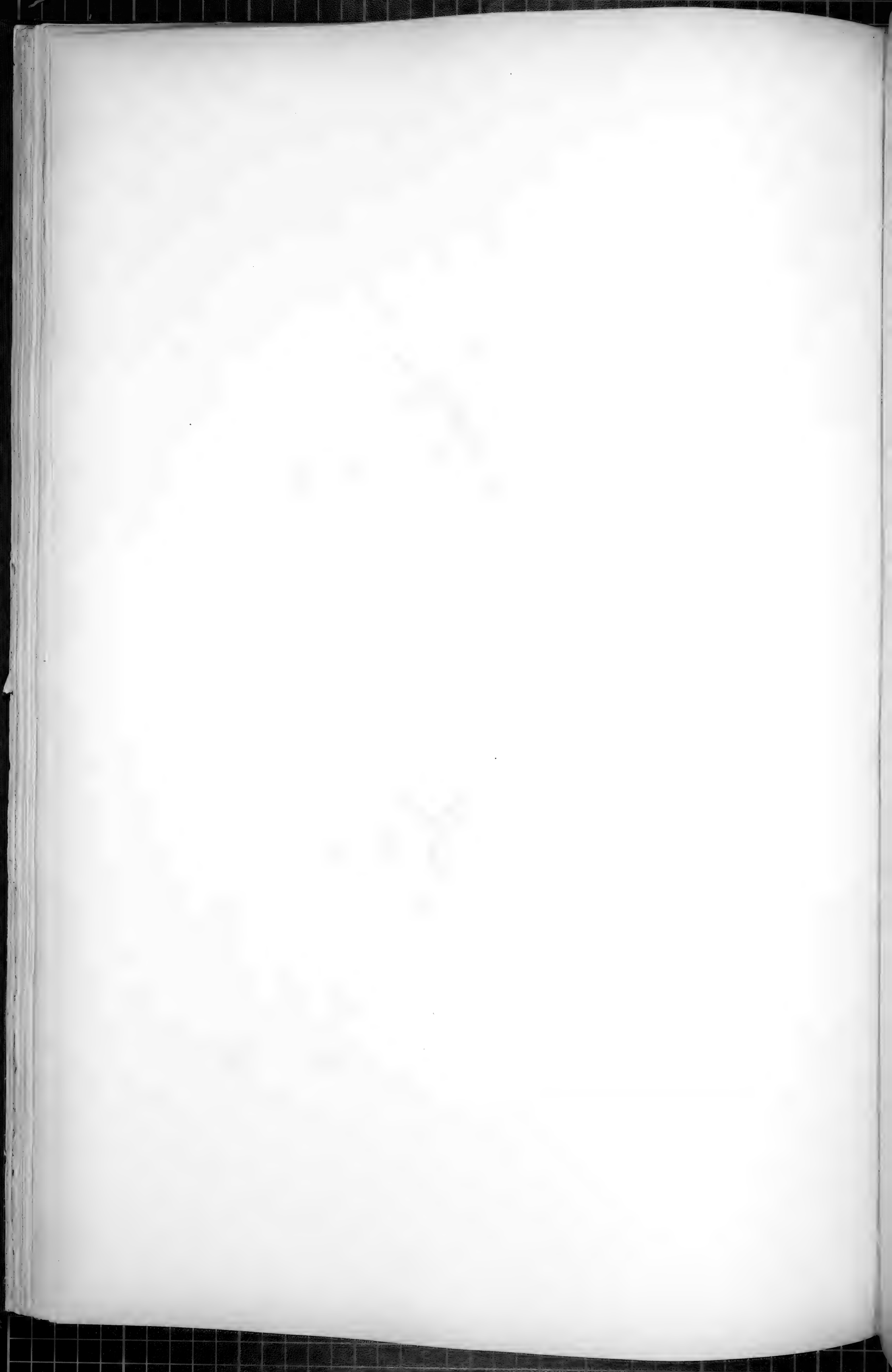
B. *Pittosporum tobioides*.





Pittosporum rhytidocarpum.

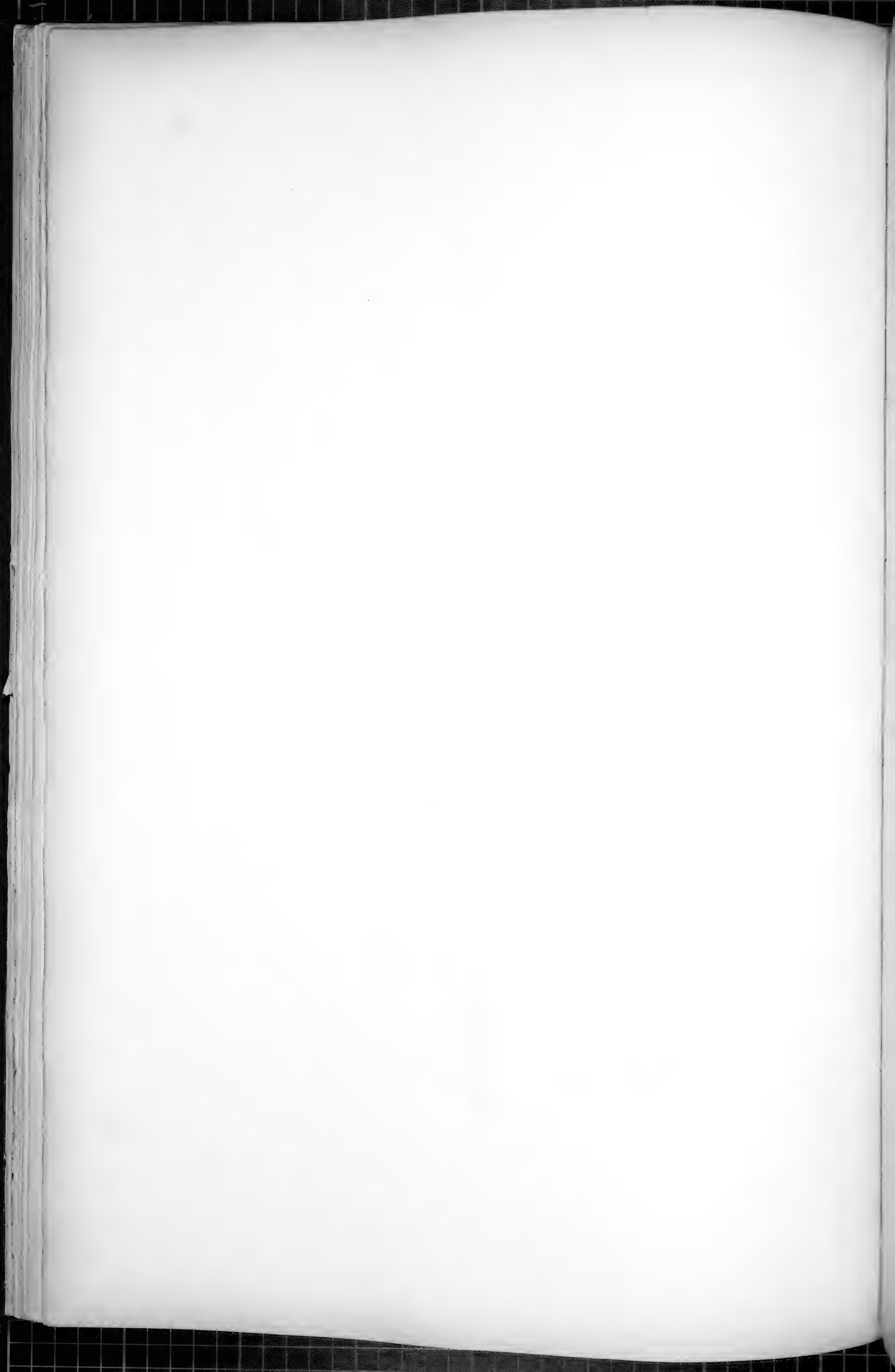
Sprengel del.





Pittosporum confertiflorum.

Sprague del.





Didymochiton Richii.

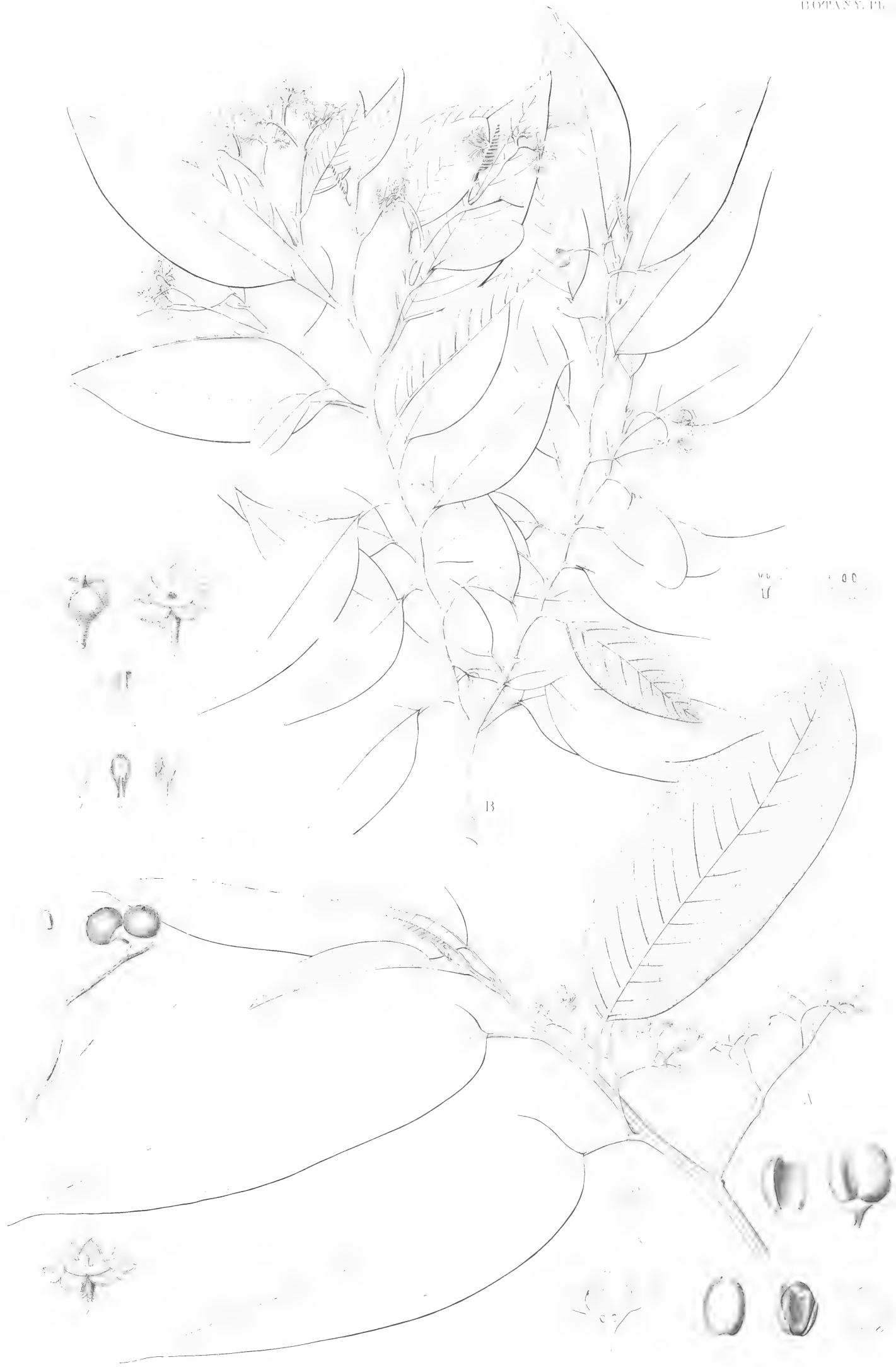
Hutton del.
Sprague anal. C. Rich.

A. D. S. & Co. del.

A. D. S. & Co. del.



Hiptage myrtifolia.



A. *Alphitonia zizyphoides*.

B. *Alphitonia franguloides*.



Catha Vitiensis.

Sprengel del.

H. H. Donnell sc.





Perrottetia Sandwicensis.





A. *Ilex Vitiensis*.

B. *Byrsonia Taitensis*.

Agate del.
Sprague anal. lith.

J. Hayden del.



Byronia Sandwicensis.

Spreng. del.



Pleuropetalon samoense.
J. Doughty, Edib.



Rhytidandra Vitiensis.



A. *Geranium multiflorum*. B. C. D. *Geranium cuneatum*.



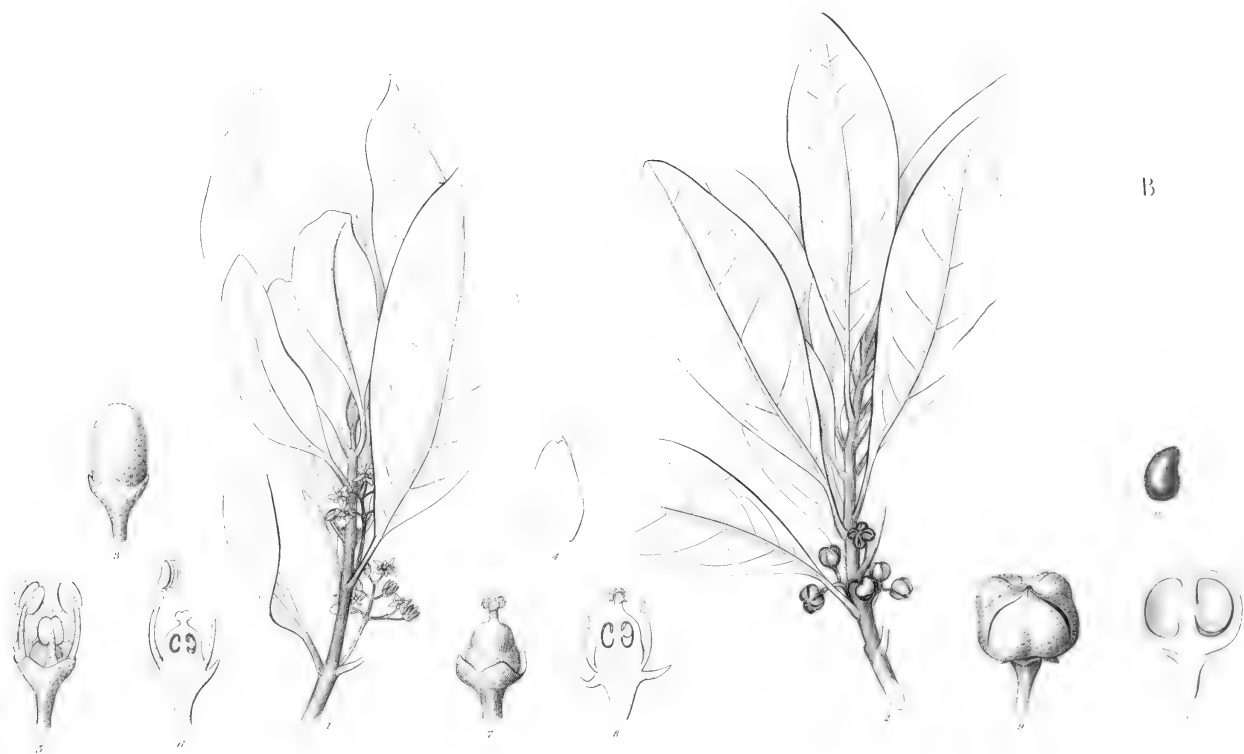
Geranium ovatifolium



Geranium arboreum.



Acronychia heterophylla.



A. *Aconychia petiolaris*.

B. *Aconychia Richii*.

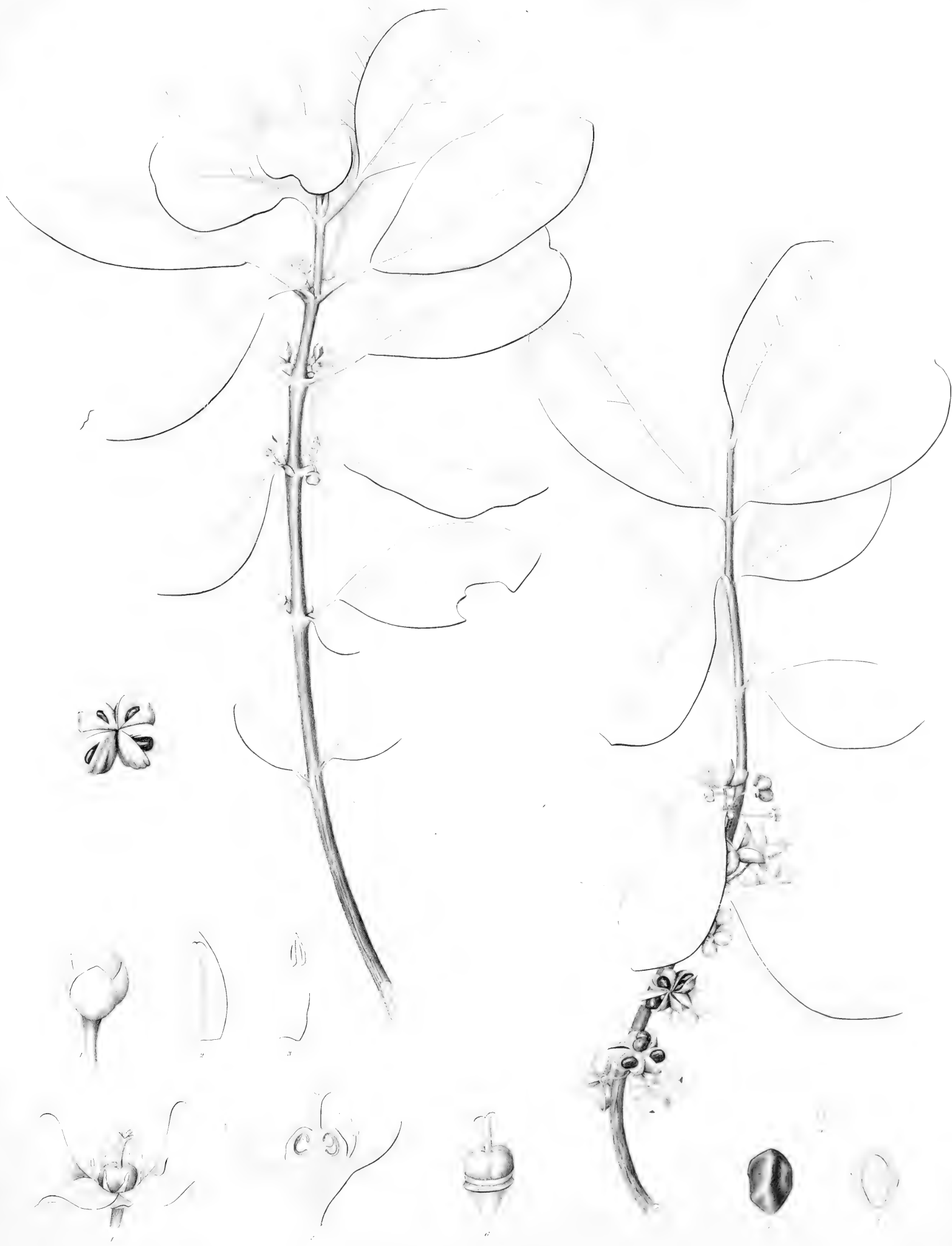


A. *Acronychia retusa*.

B. *Pelea lucida*.

Hutton del.
Scripps anal. Recit.

J. Doughton. Edit.



Pelea elusivifolia.

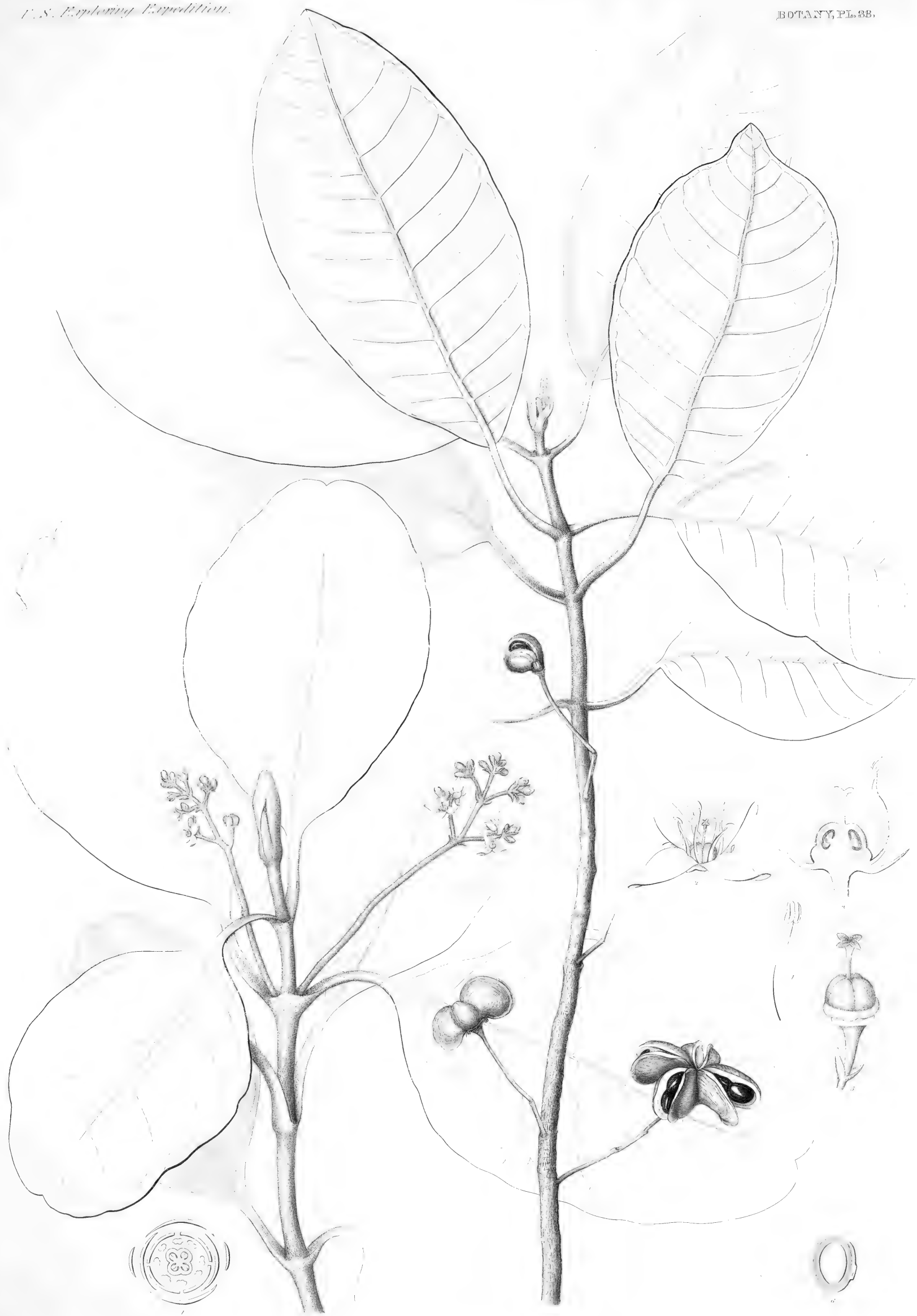


Pelca auriculæfolia.



A. *Pelea rotundifolia*.

B. *Pelea Sandwicensis*.



Synge del.

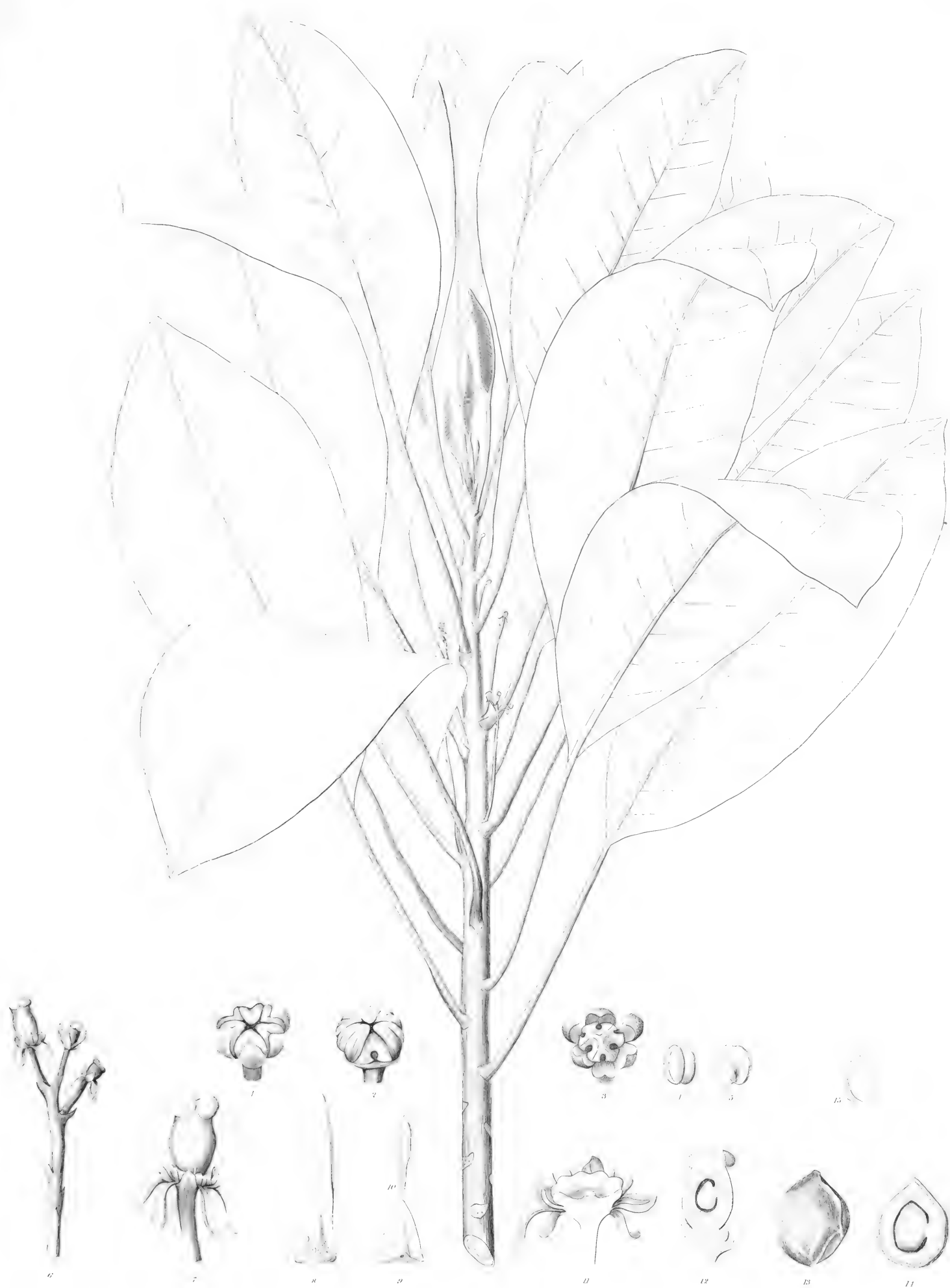
Pelea volcanica.

W. H. Douglas.



A. *Melicope cinerea*.

B. *Melicope barbigera*.



Amaroria soulameoides.

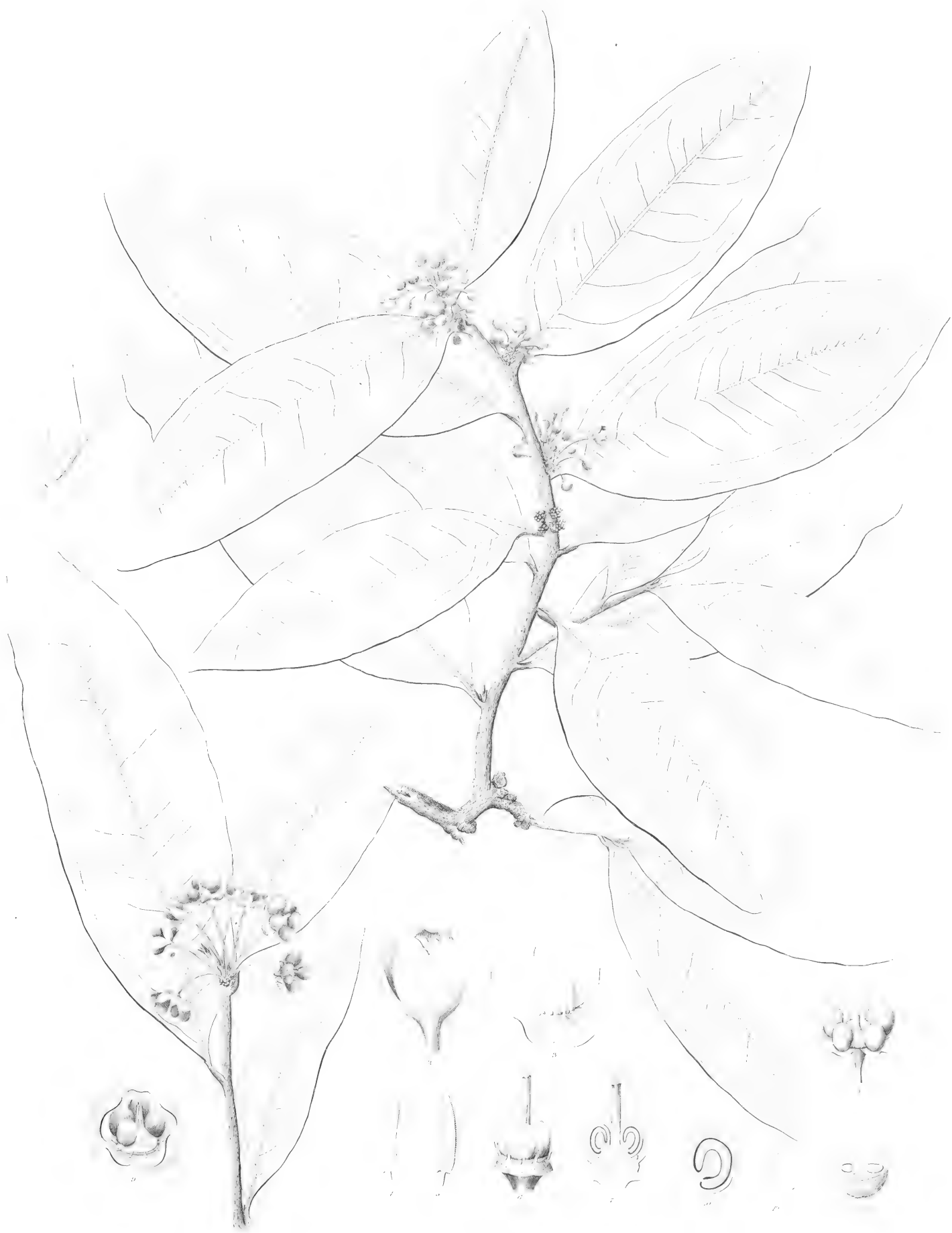
Synonym: soul. soul. soul.

W. H. Dugol. S.

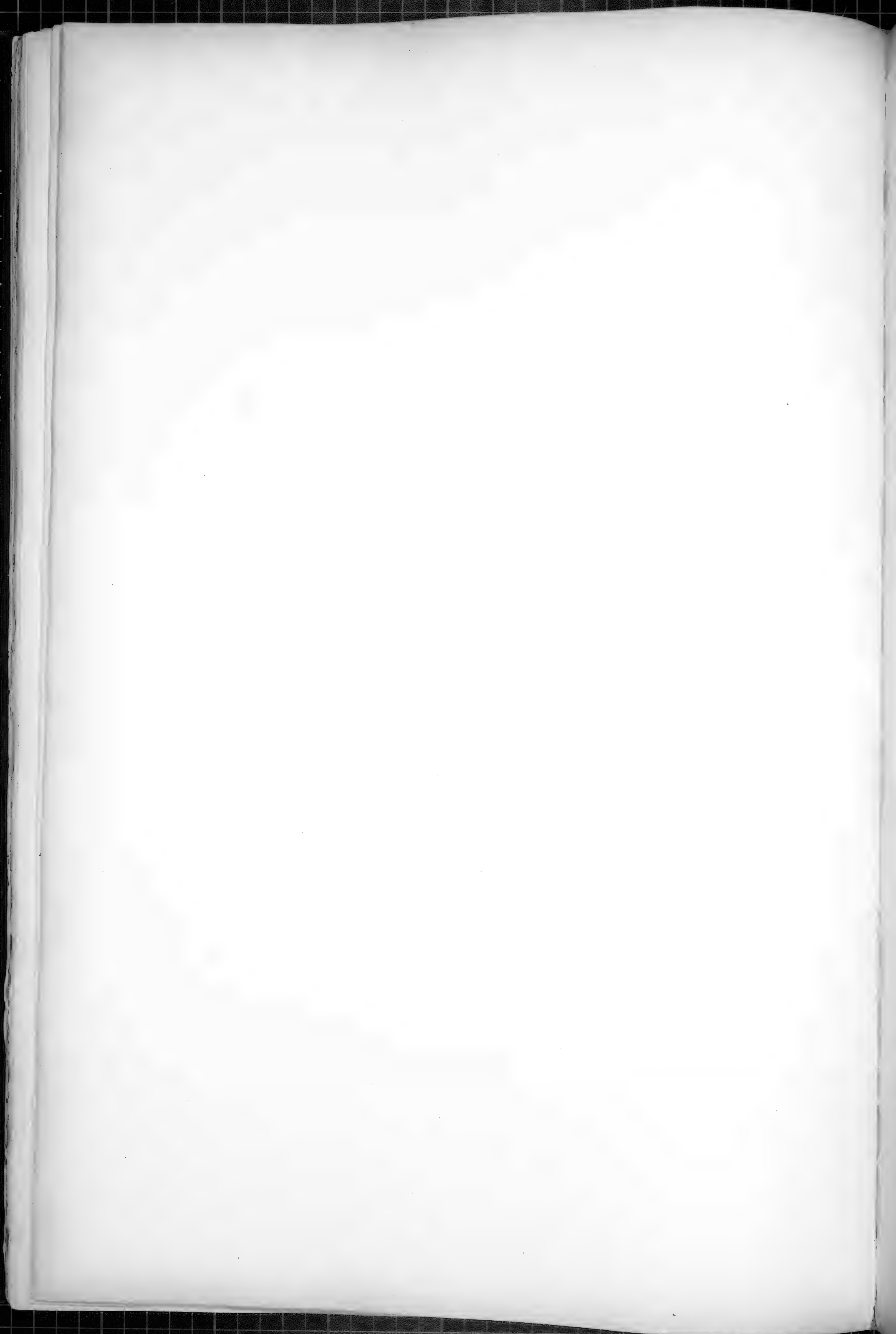


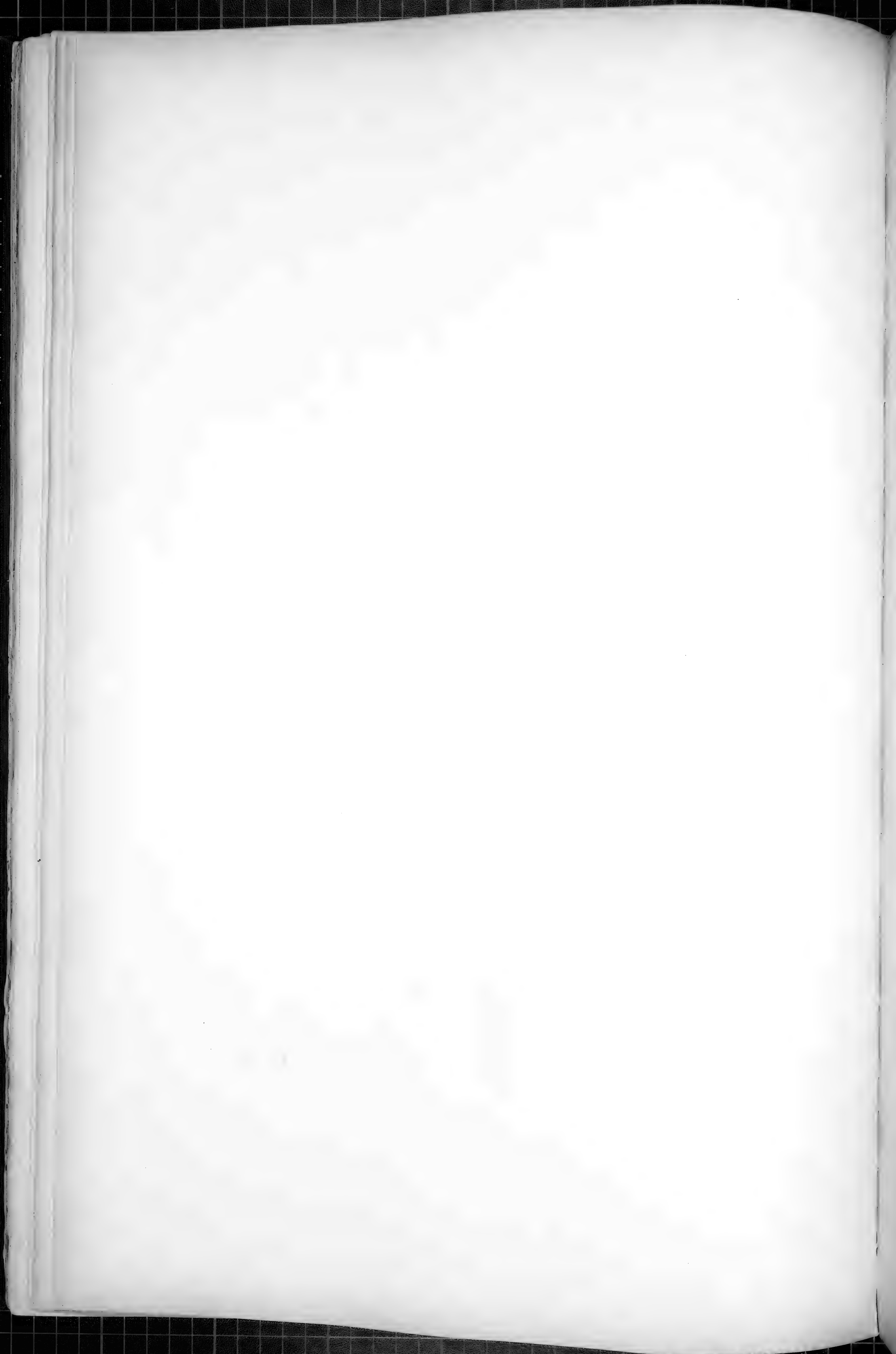
Gomphia lucaris.





Brackenridgea nitida.











Connarus Pickeringii.

Agate del.
Sprague anal. fecit.

A. Dreyer del.



Agave tomentosa.



Streptodesmia canescens.



Strongylodon ruber.



Strongylodon macrobotrys.



Vigna sandwicensis.



Cynometra grandiflora.

J. Douglas, Edt.



B



Sesquiped. anal. herb

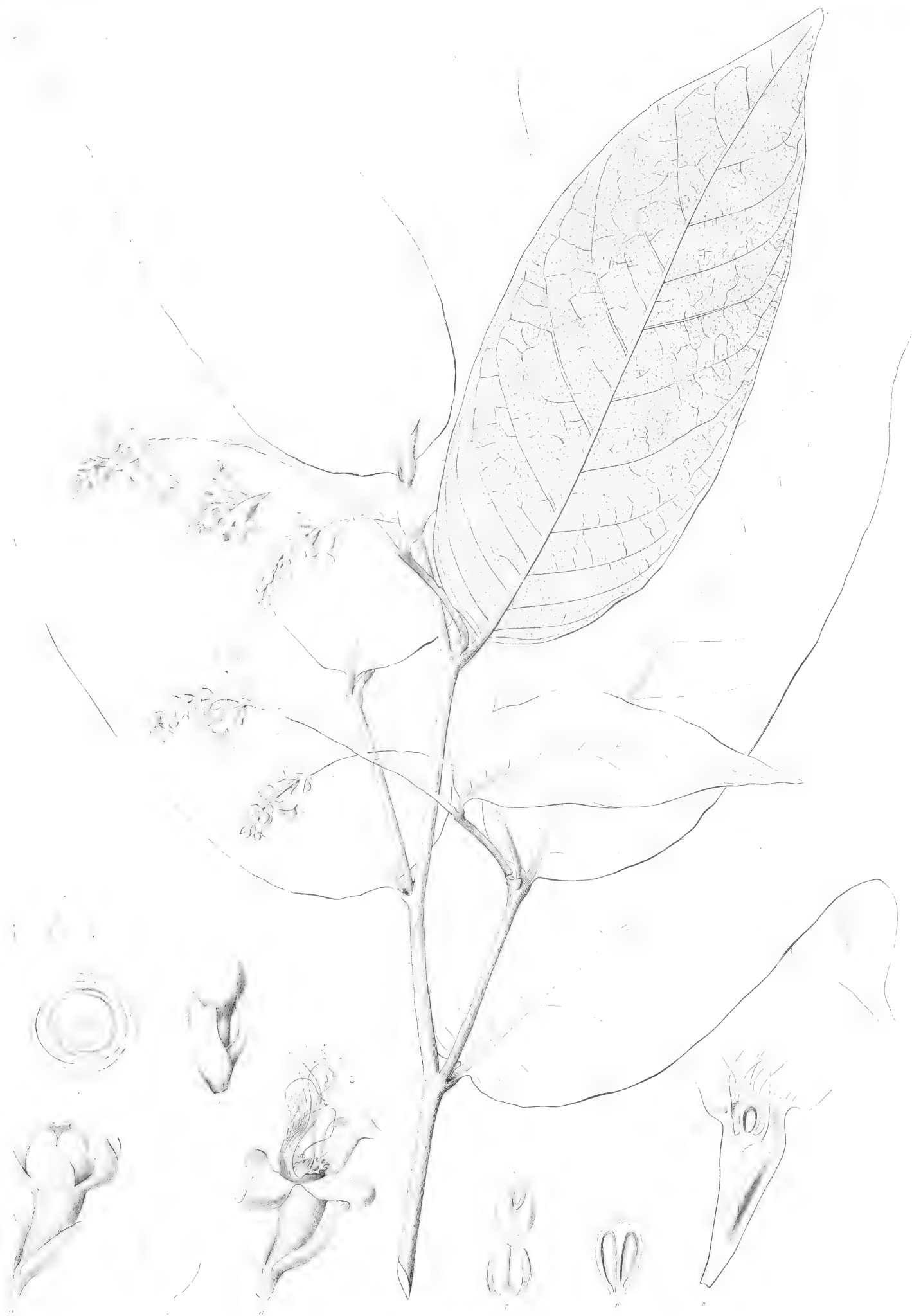
A. *Pongamia glabra*.

B. *Acacia Richii*.



A. *Parinarium Margarata*.

B. *Parinarium insularum*.



Parinarium laurinum.

Boiss. del.
Sprengel. anal. bot.



Rubus Hawaiensis.

Rubus *Macr.*

Mr. H. Dwyer



U.S. Exploring Expedition.



Laugenia Richth.

W.H. Douglas, Sr.



L. S. Knapton, Knapton.

HOTANXX, PL. 5B.





A. Eugenia brackenhofii.

B. Eugenia confertiflora.



Myrica. Amicorum.

W. H. Douglas. Sc.



P. S. Rappoport. Reproduction.

BOTANY. PL. 69.

Funaria tubescens.

W. H. Douglass.

*1. S. hypoleucis* *Eximulium*.



Sporop. 41.

Eugenia corynocarpa.

W. H. Douglas.



E. S. Haplophyllum lepidotum.

Botany, Pl. 61.

Eugenia clusiofolia

H. H. Boudier 1841



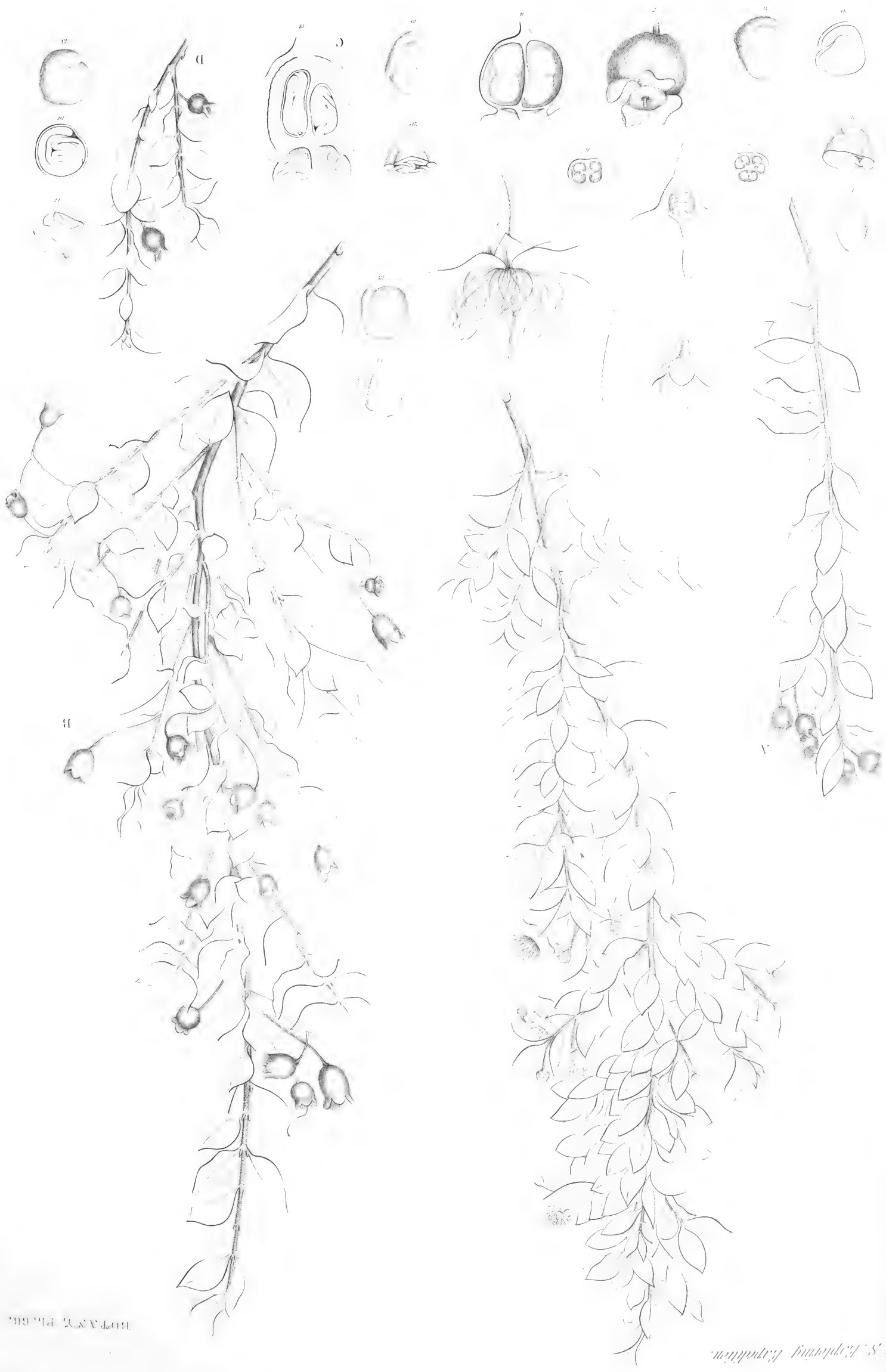
L. S. Hitchcock, Expedition.

BOTANICAL PL. 65.

A. B. *Launa* (Heben.)

C. *Launa* (Heben.)

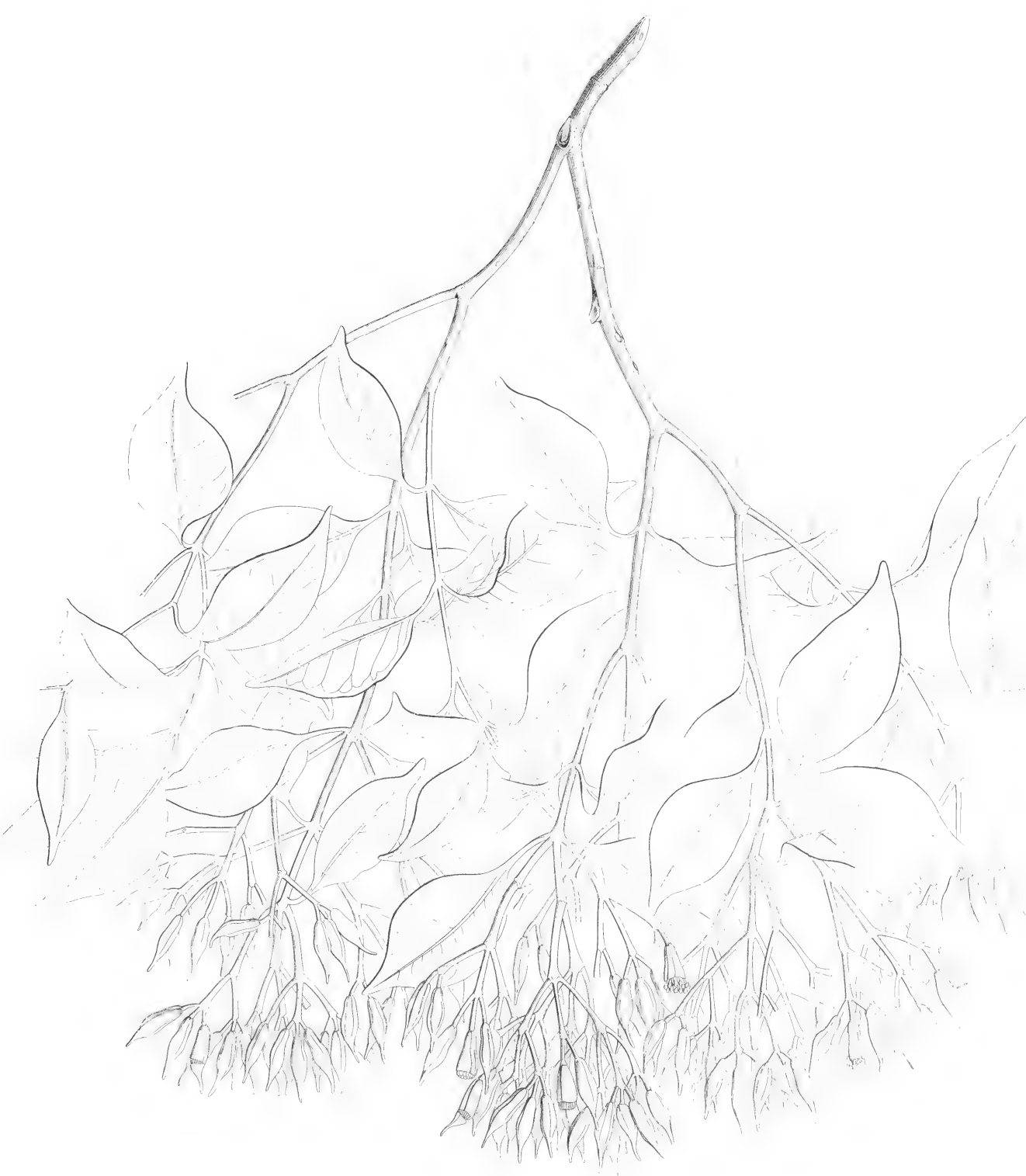
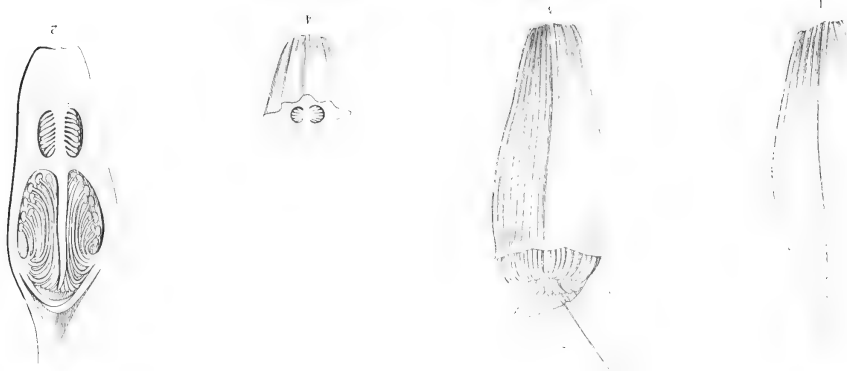
D. *Launa* (Heben.)





Acteagynus myrtoides

longitudinal



Sprengel and. 1811

A. Douglas 1811

Metrosideros collina, var. Vitiensis.



BOFFA, PL. 68.

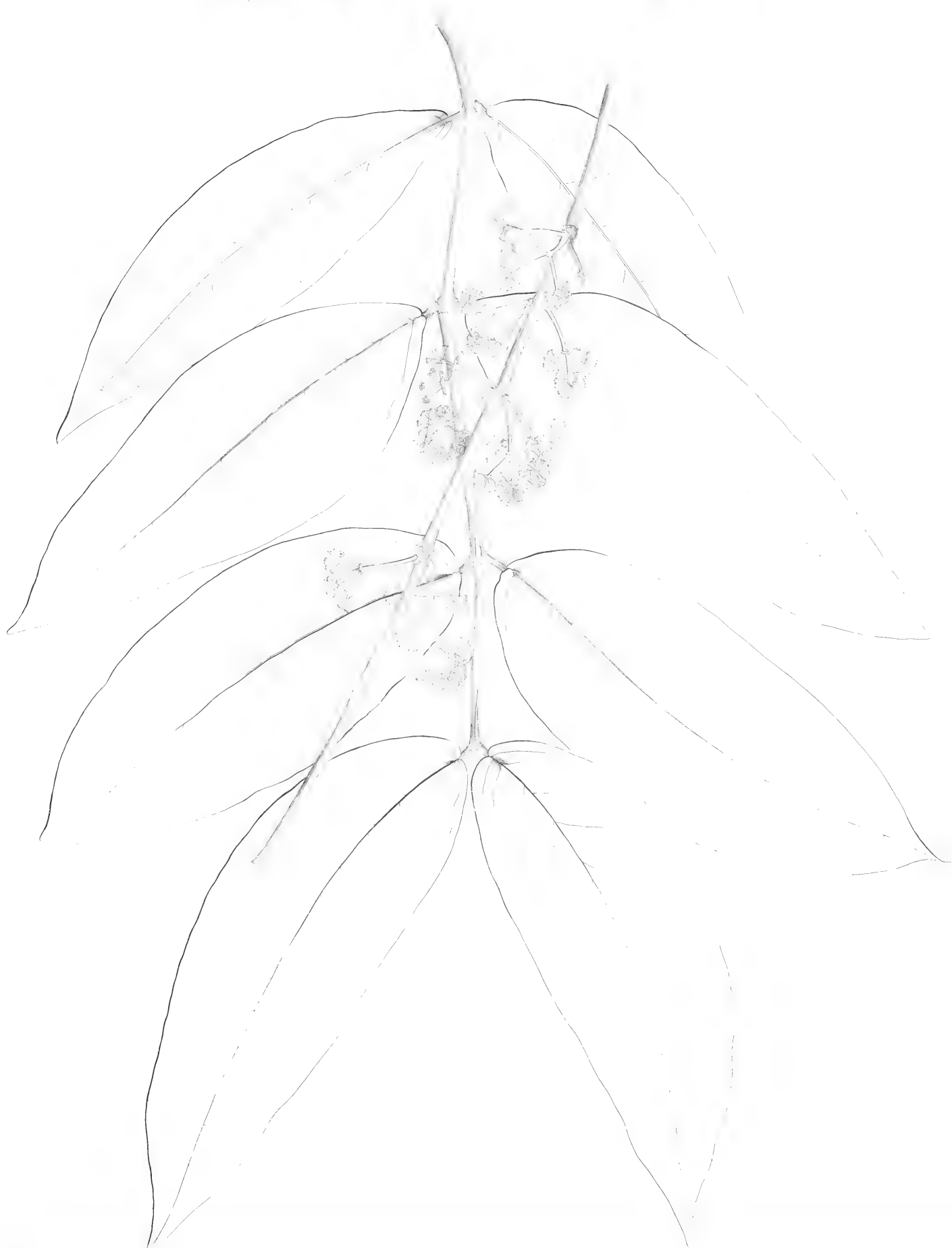
U.S. Exploring Expedition

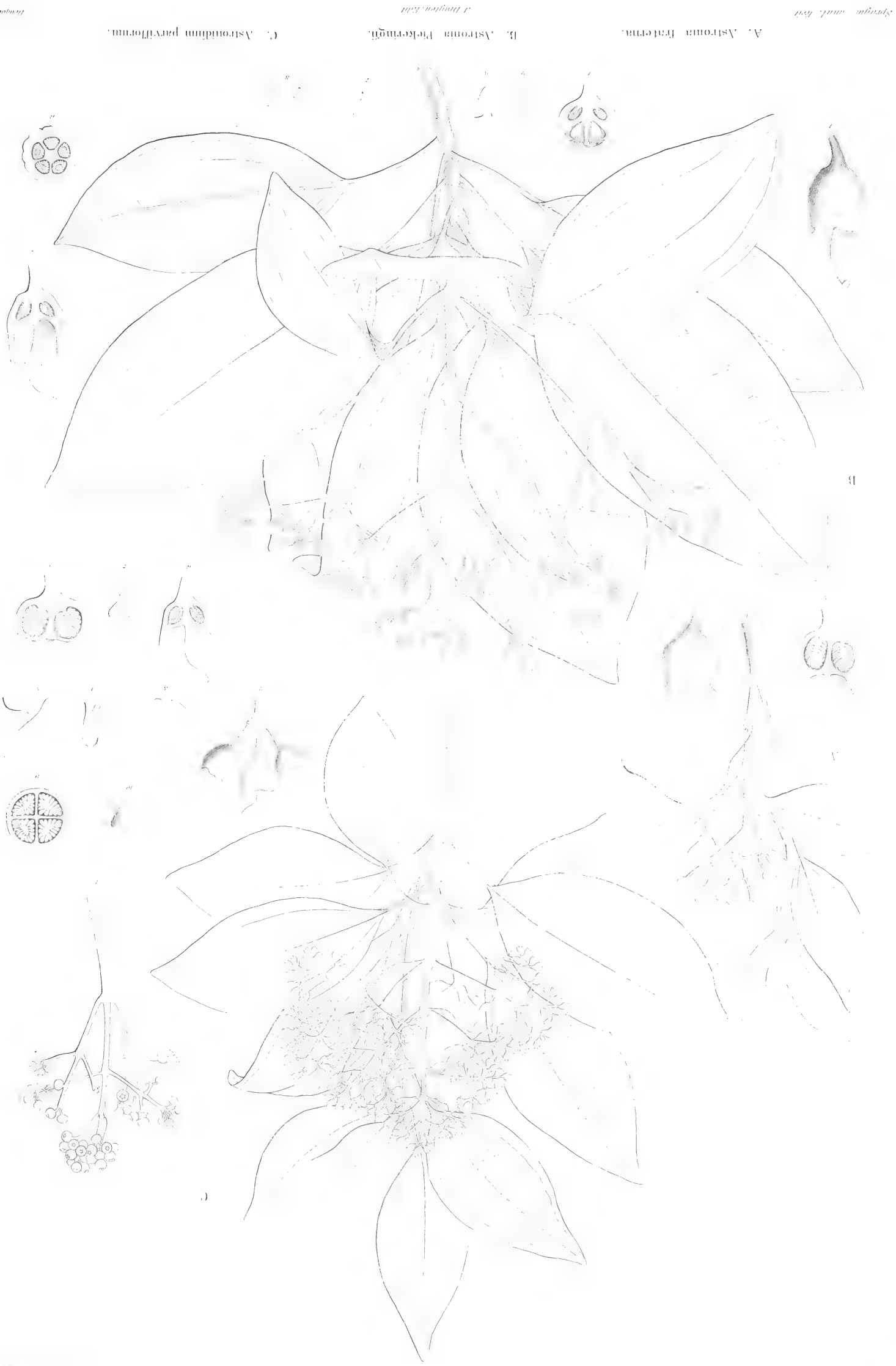
A. *Metrosideros rubra*

B. *Metrosideros lutea*











Plectrochiton crassifolia.



P. S. Lophanthus Lophanthus.

Cnidium chlorocalyx.



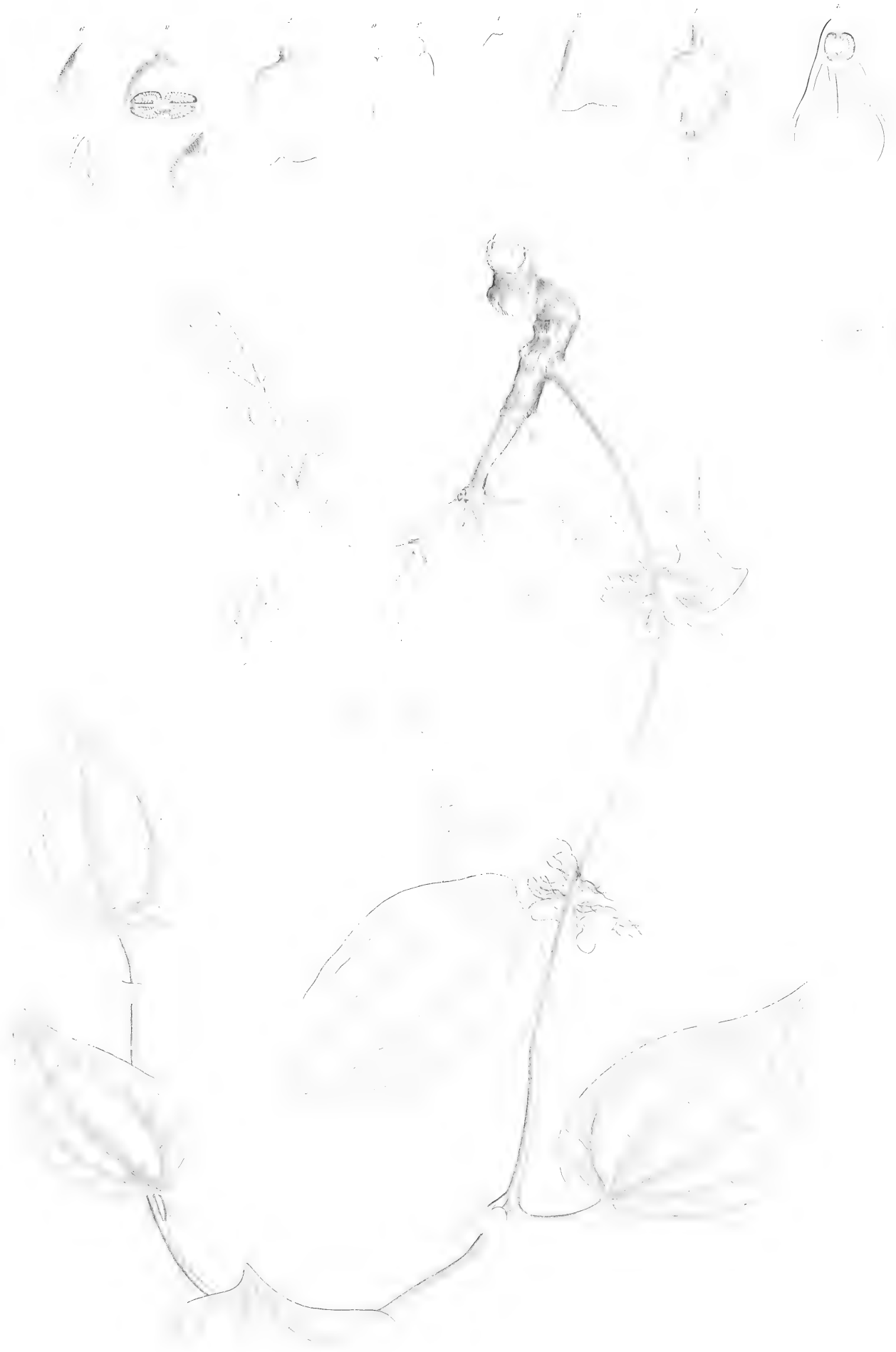


Stegane and leaf

Stegane and leaf

Stegane and leaf

Medulla heterophylla.



Stegane and leaf

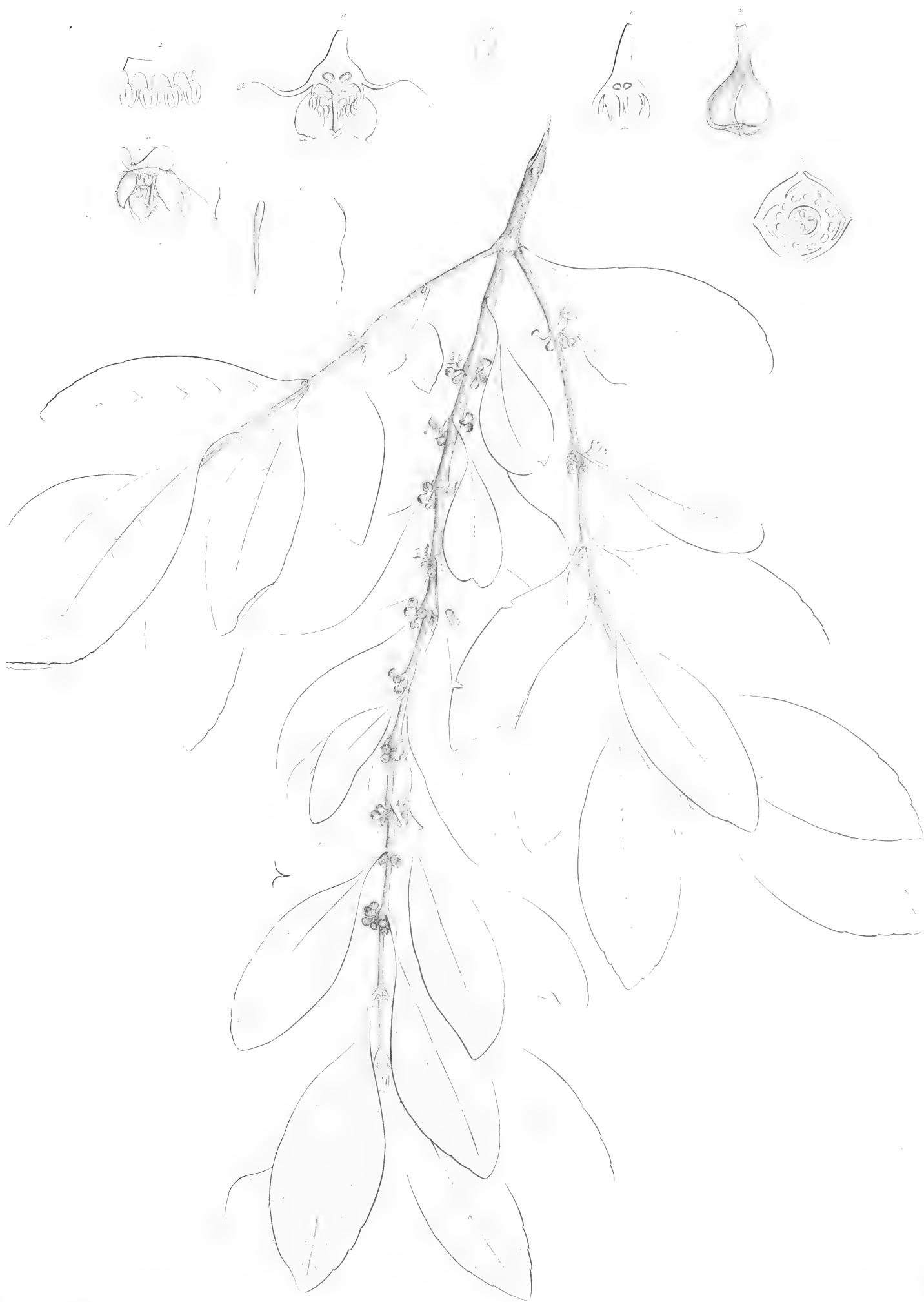
BOTANY, PL. 75.



pp. emb.

Haplopetalon Richt.

W. H. Bengtson &



T. S. Eppendorf, Copenhagen.

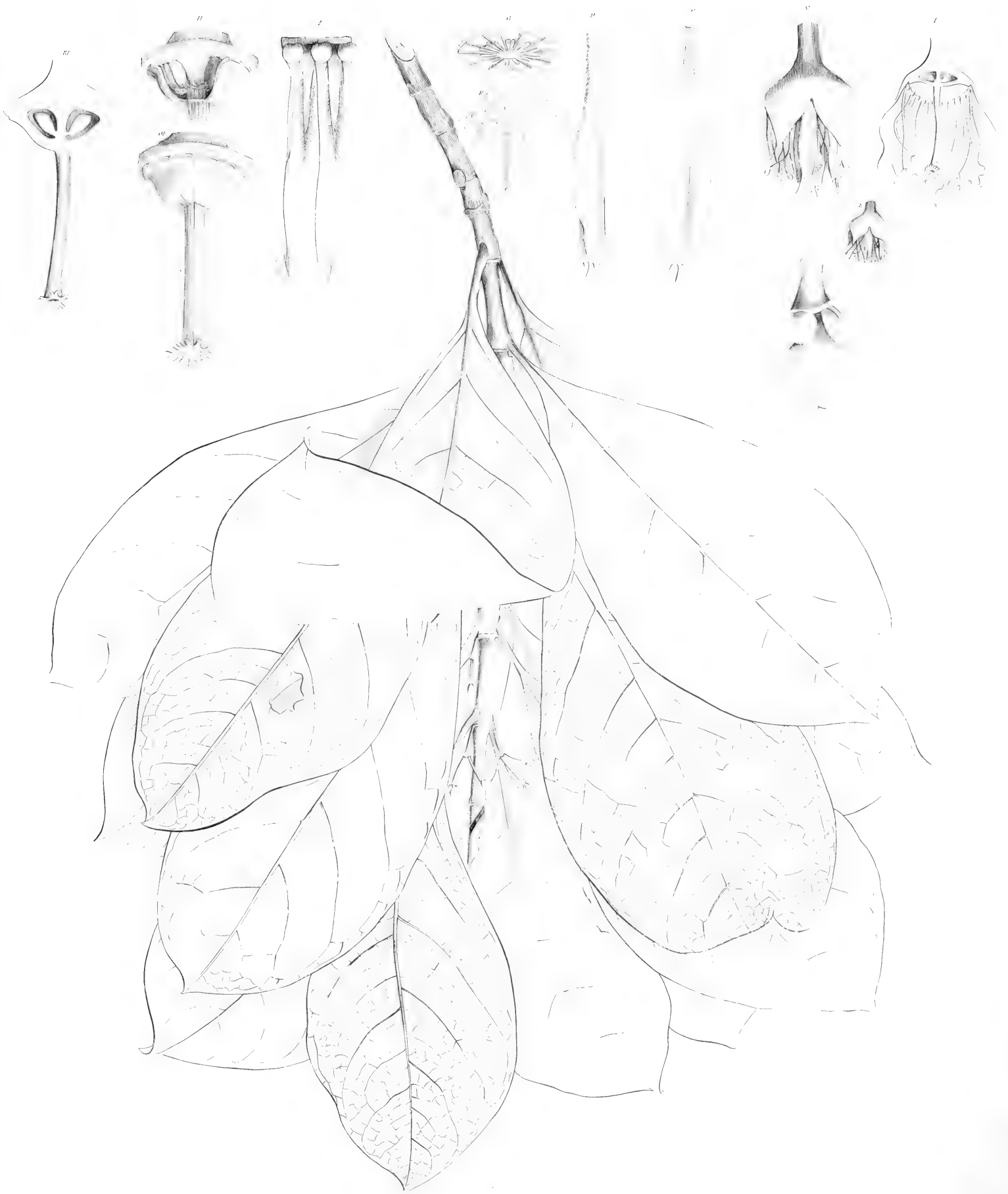
RECEIVED

Sparganium angustifolium

A. angustifolium

Sparganium

Sparganium angustifolium



U.S. Exploring Expedition.

BOTANY, PL. 77.

Sporopogon det.

Gunnera petaloides.

W. H. Douglas det.



HOTAN Y. PL. 78.

G. S. Exploring Expedition.

B

A

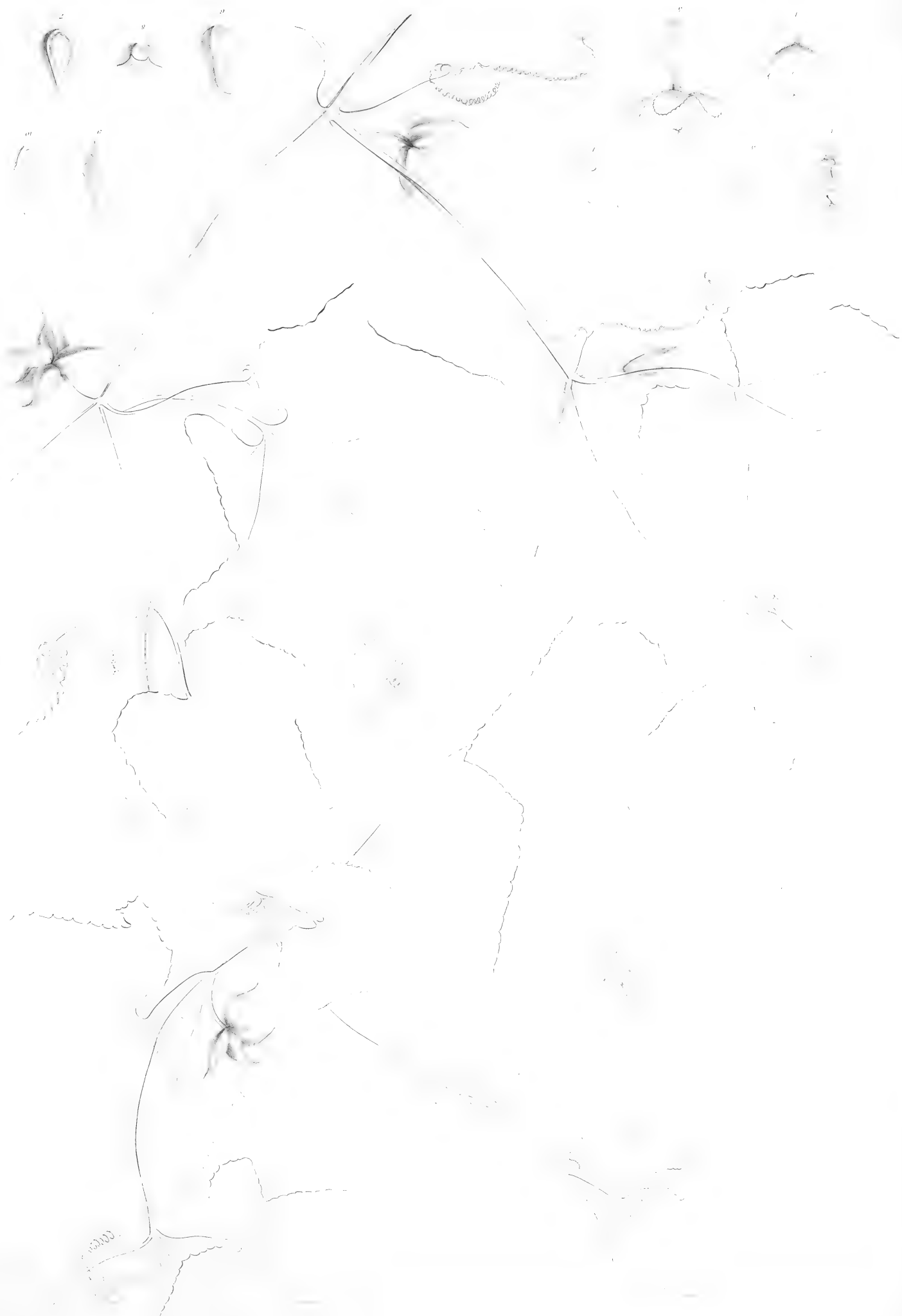


A. *Gunnera petaloidea*

B. *Gunnera lobata*.

Steyos pachycarpus.

W. H. Douglas, 58.



W. S. Knapton, Expedition.

BOTANY, PL., 80.

Sicyos. ad.

Sicyos macrophyllus.



S. hypericif. hypericifolius.

BOTANICAL PL. 11.



Steyos cucumerinus.

W.H. Degeud. 82.



L.S. Laport. Repetition.

30722. Pl. 82.

Samolus nivalis Boiss.

A. Douglasii Nutt.

W. H. Douglas No.

A. *Spizanthemum Santocense*

B. *Spizanthemum Vitense*



U.S. Exploring Expedition

Botany, J. L. B.S.



pp. min.

Weinmannia poskei.

W. H. Douglass & Co.



L. S. Kippling Expedition.

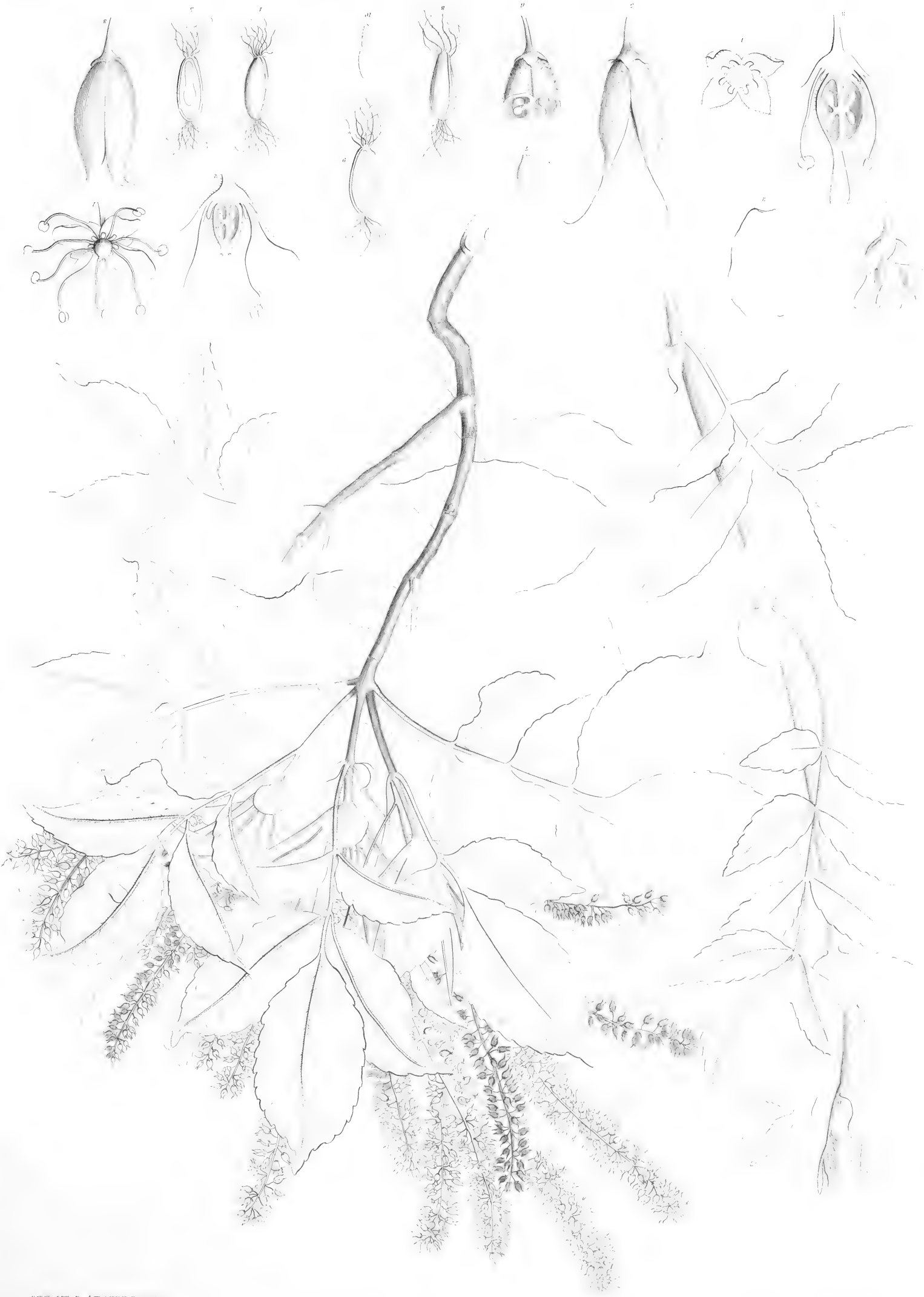
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B. *Weinmannia* *Richii*.

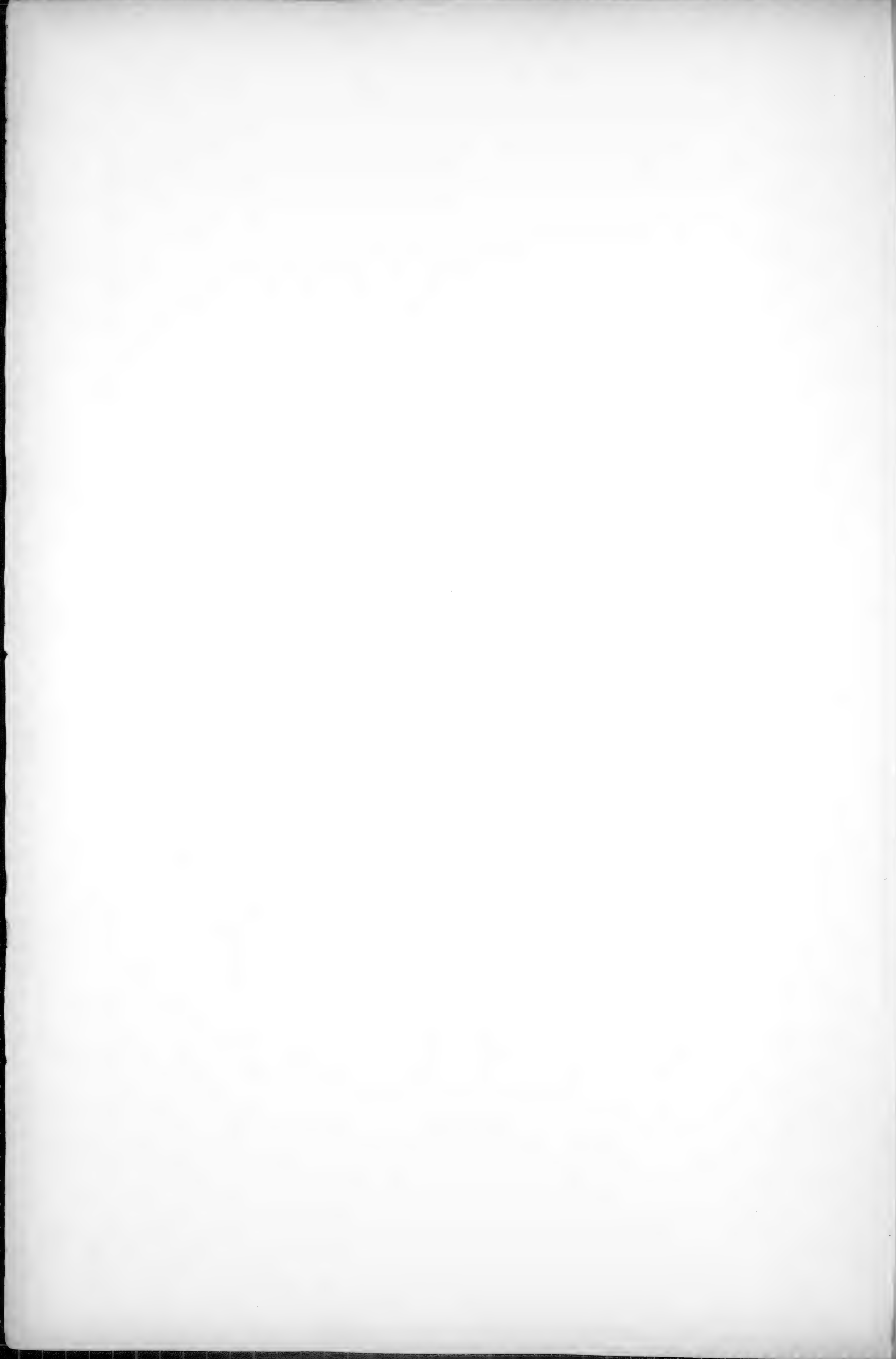
A. *Weinmannia* *paviflora*.

W. H. Douglas *Sc.*



W. H. Douglas *Sc.*

BOTANICAL, PL. B.S.



(*Leisleria tenuata*.)





Broussaisia arguta.

W. H. Douglas *Sc.*

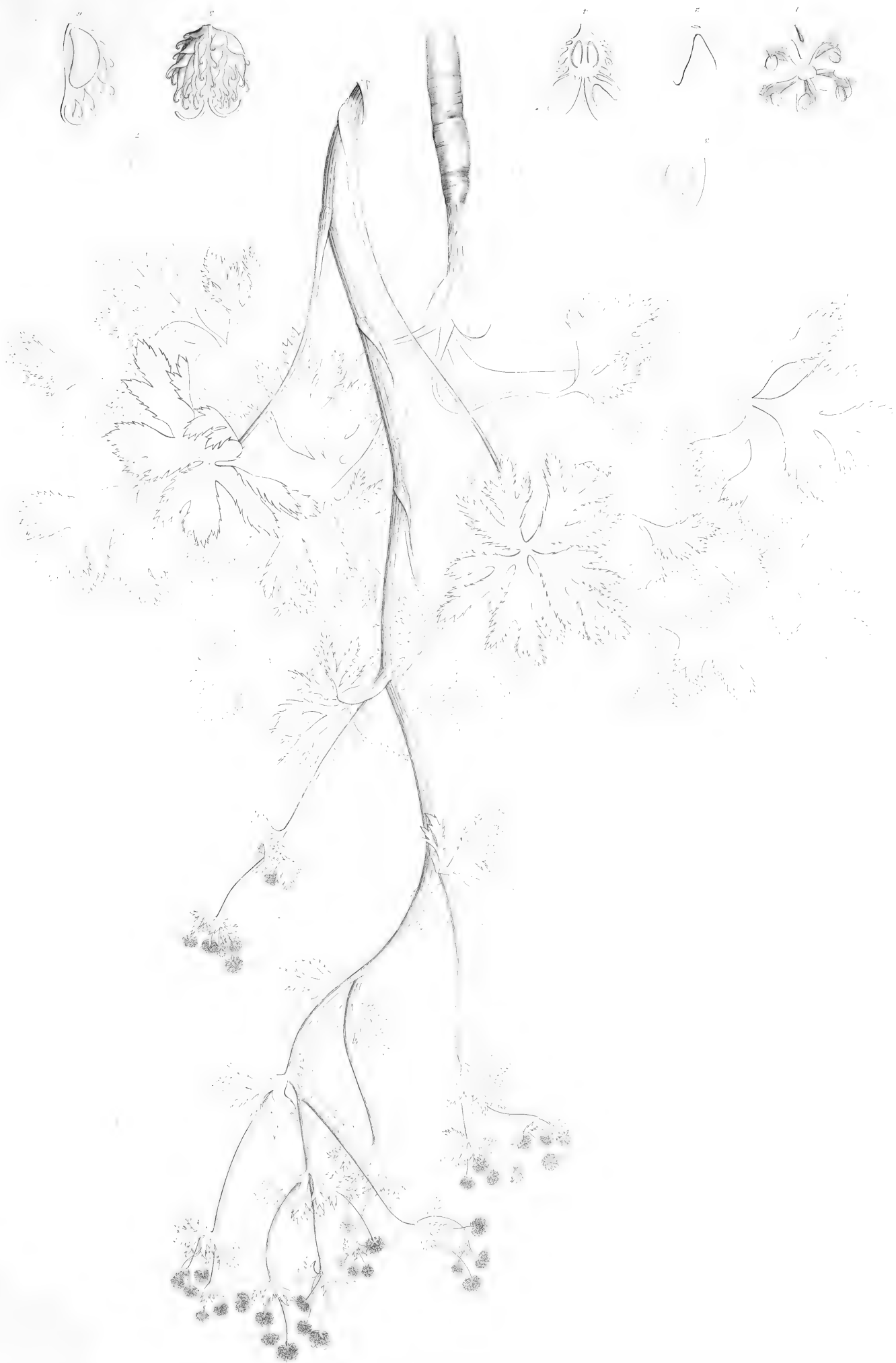


W. H. Douglas *Sc.*

W. H. Douglas *Sc.*



Santigula Sandwicensis.



Aralia Virginica.

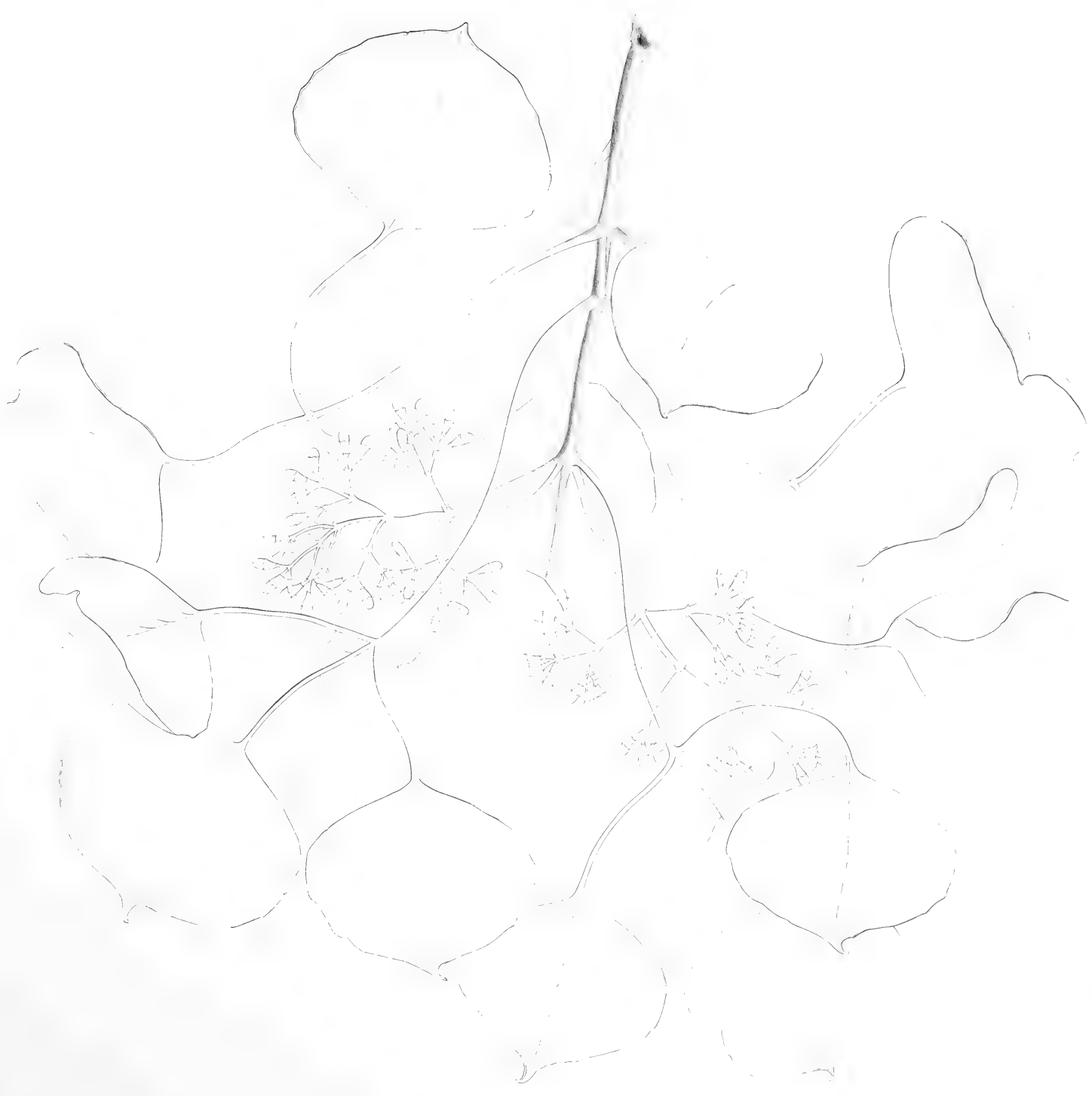




Synonym: id.

Hedera platyphylla.

H. H. Thunberg.



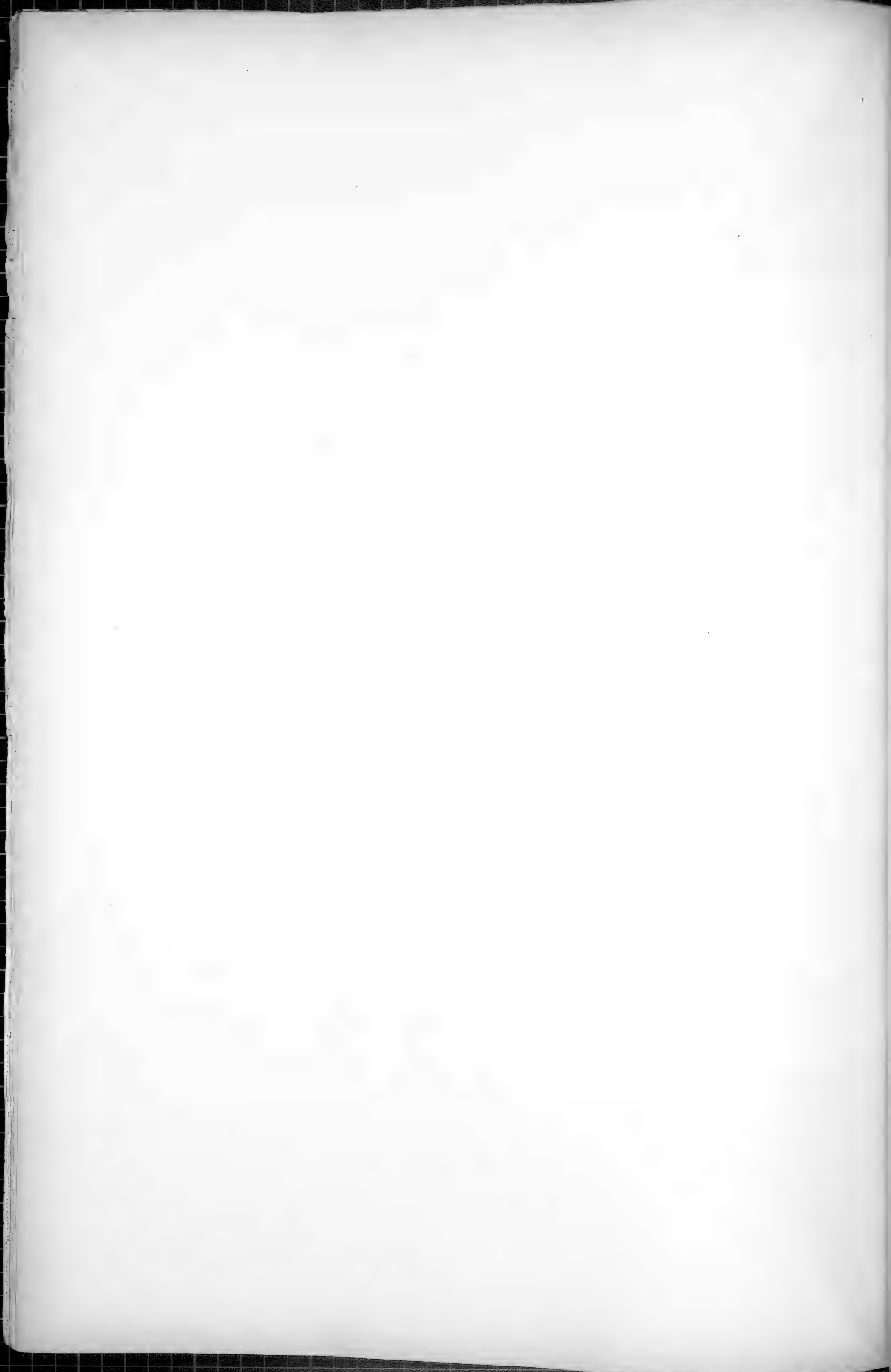
H. S. Happony, Happony.

H. H. Thunberg.



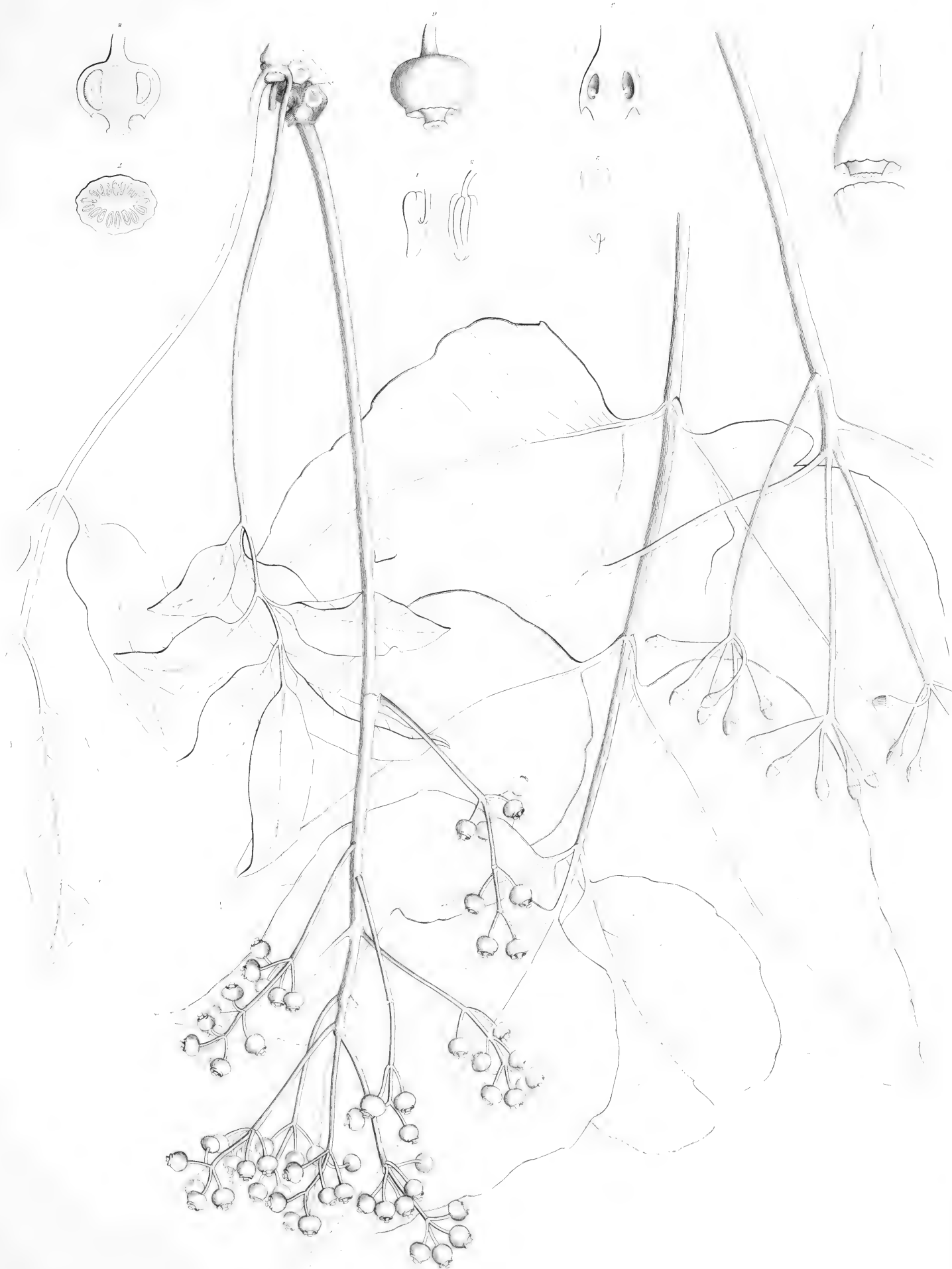
Reynoldsia Sandwicensis.





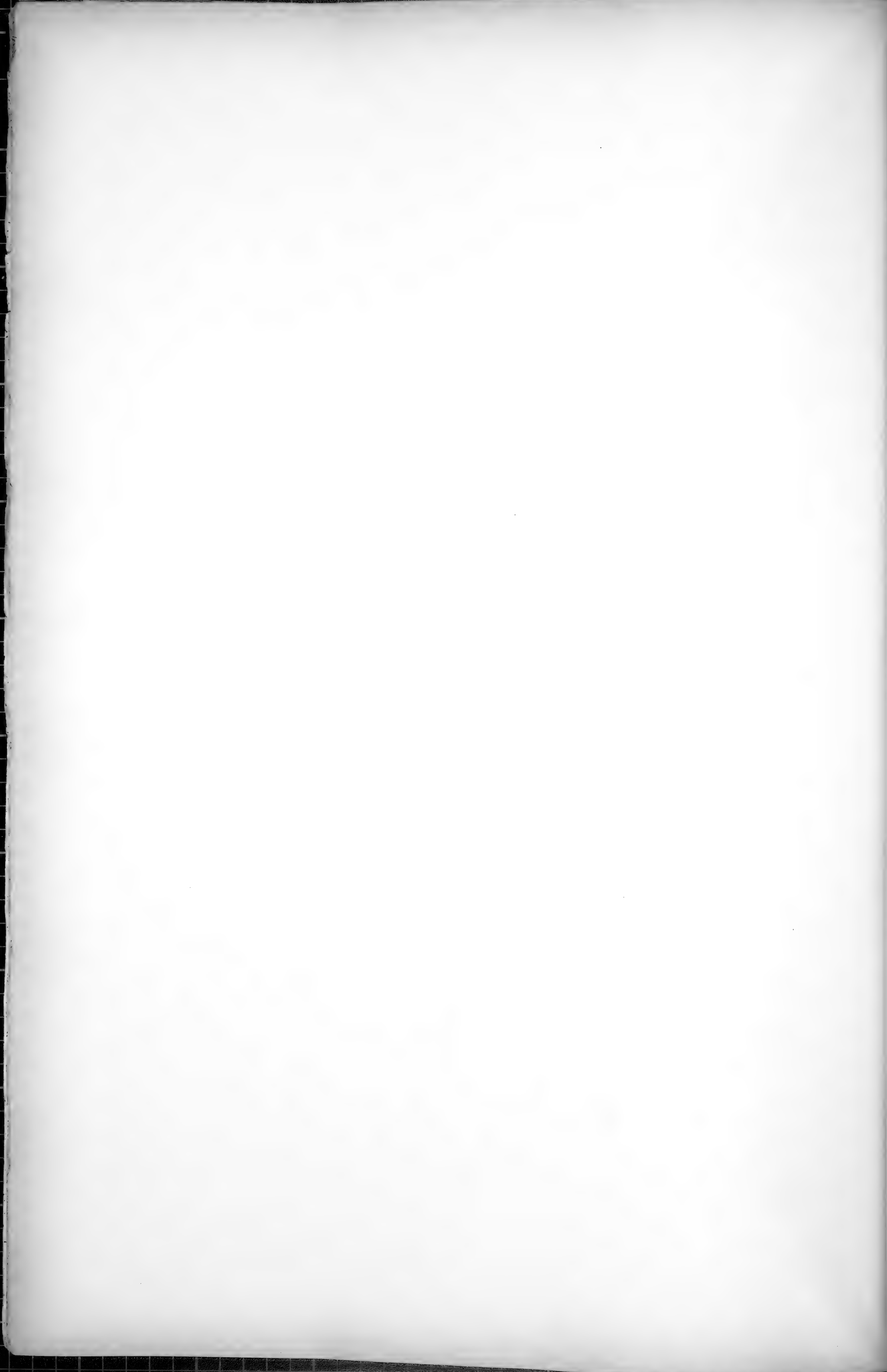
Signature del.

Reynoldsia pleiosperma.

W. H. Douglas Sr.

1. 8. Hopalong Expedition.

FOR ANY PL. 93,





H. H. Douglas

Tetraplasandra hawaiiensis

Young

BOYD, J. L.

Tetraplasandra hawaiiensis



Pleurodon pleurodon

Springer 1871



17. S. Knapton, Knapton



Botryodendrum Tuleense.

W. H. Douglas, det.



BOTANY, PL. 96.

U. S. Exploring Expedition.



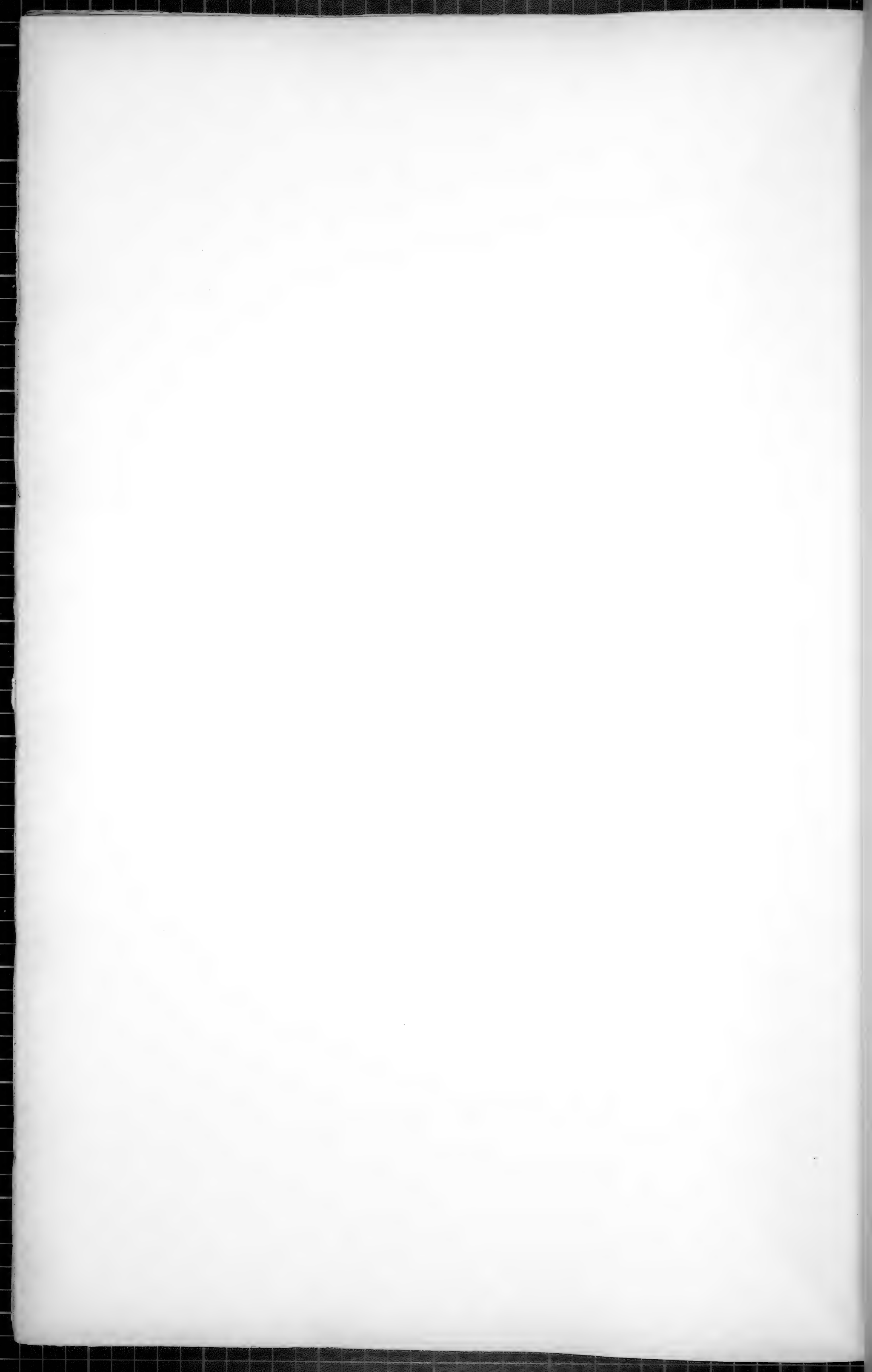
Botryodendrum macrophyllum.

W. H. Peck, N. Y.



T. S. Hapgood, Hapgood.

Botany, Pl. 97.

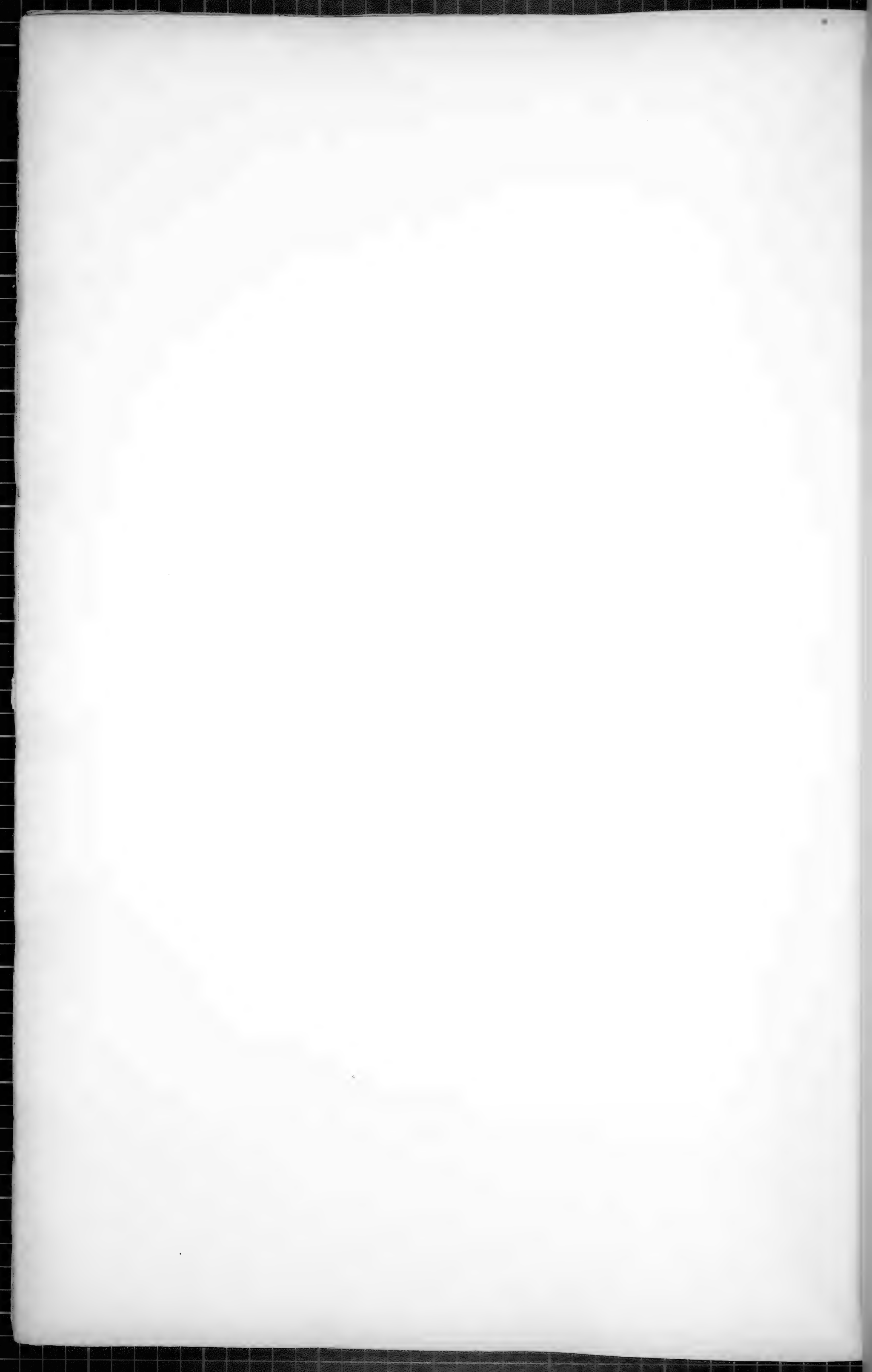


Loranthus insularum.

H. H. Douglas.



L. S. Rayburn, Lycopodium.



Spreng. 181.

Loranthus myrsinites.

W. H. Douglas Sc.



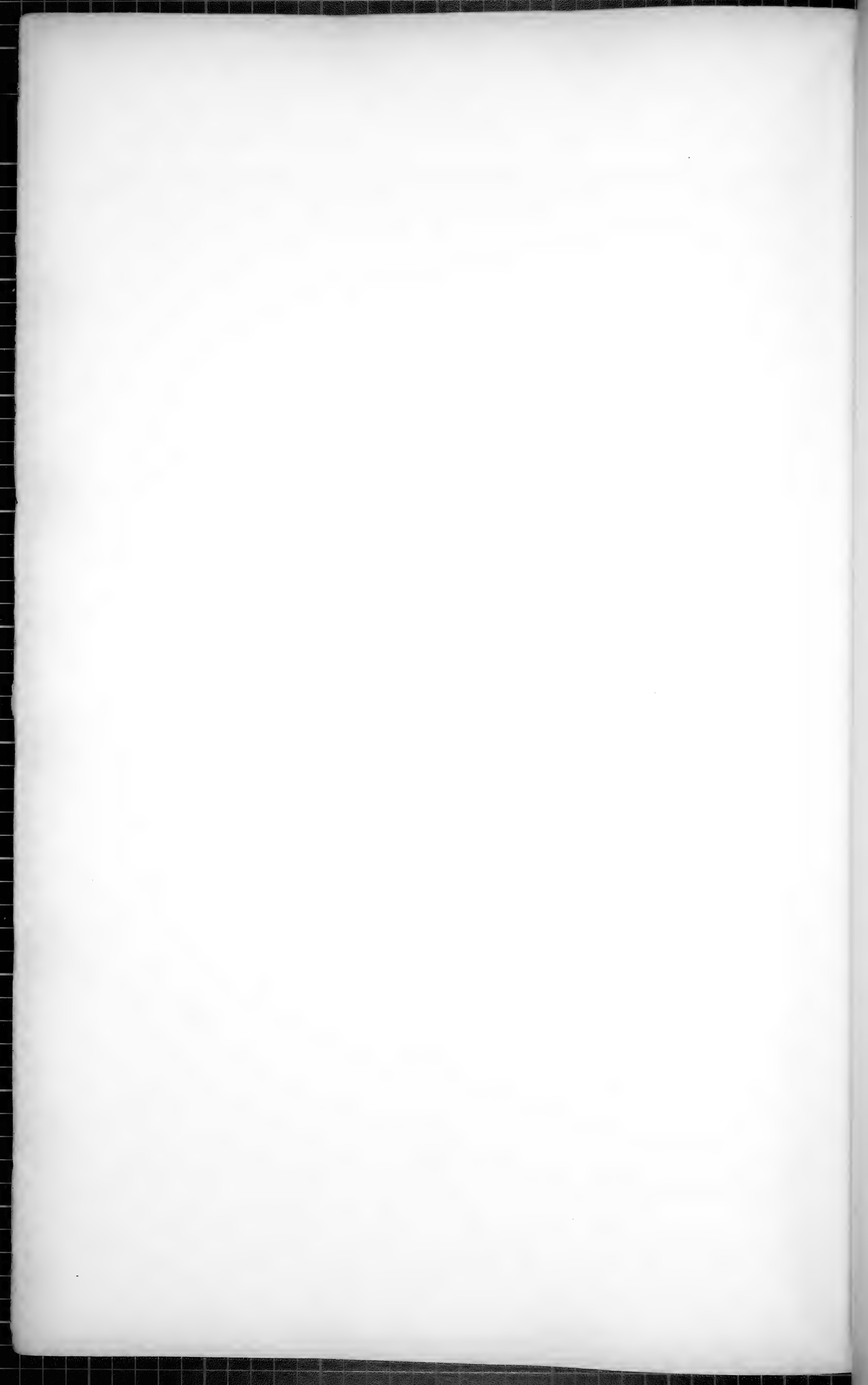
U. S. Exploring Expedition.

BOTANY, PL. 99.

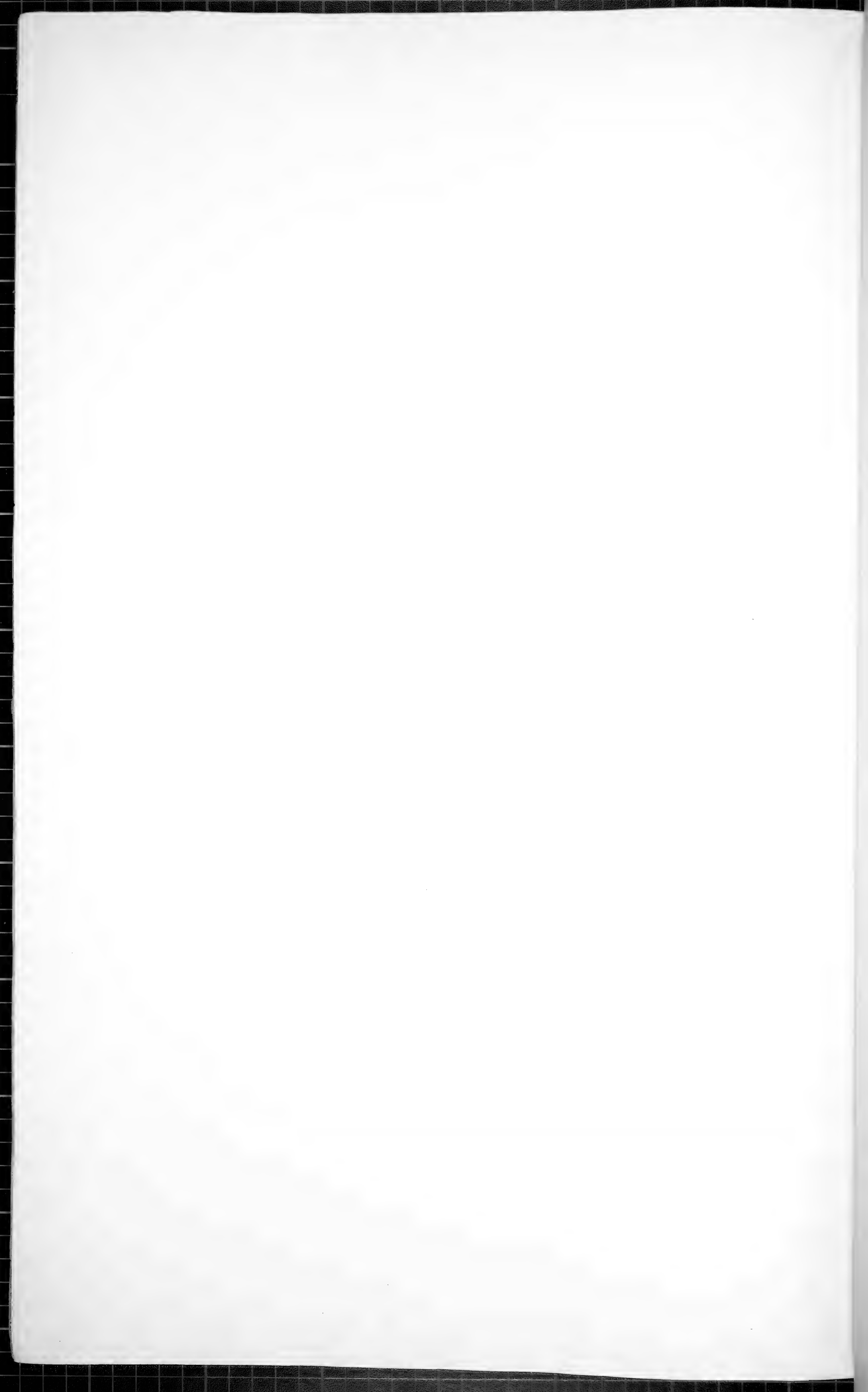


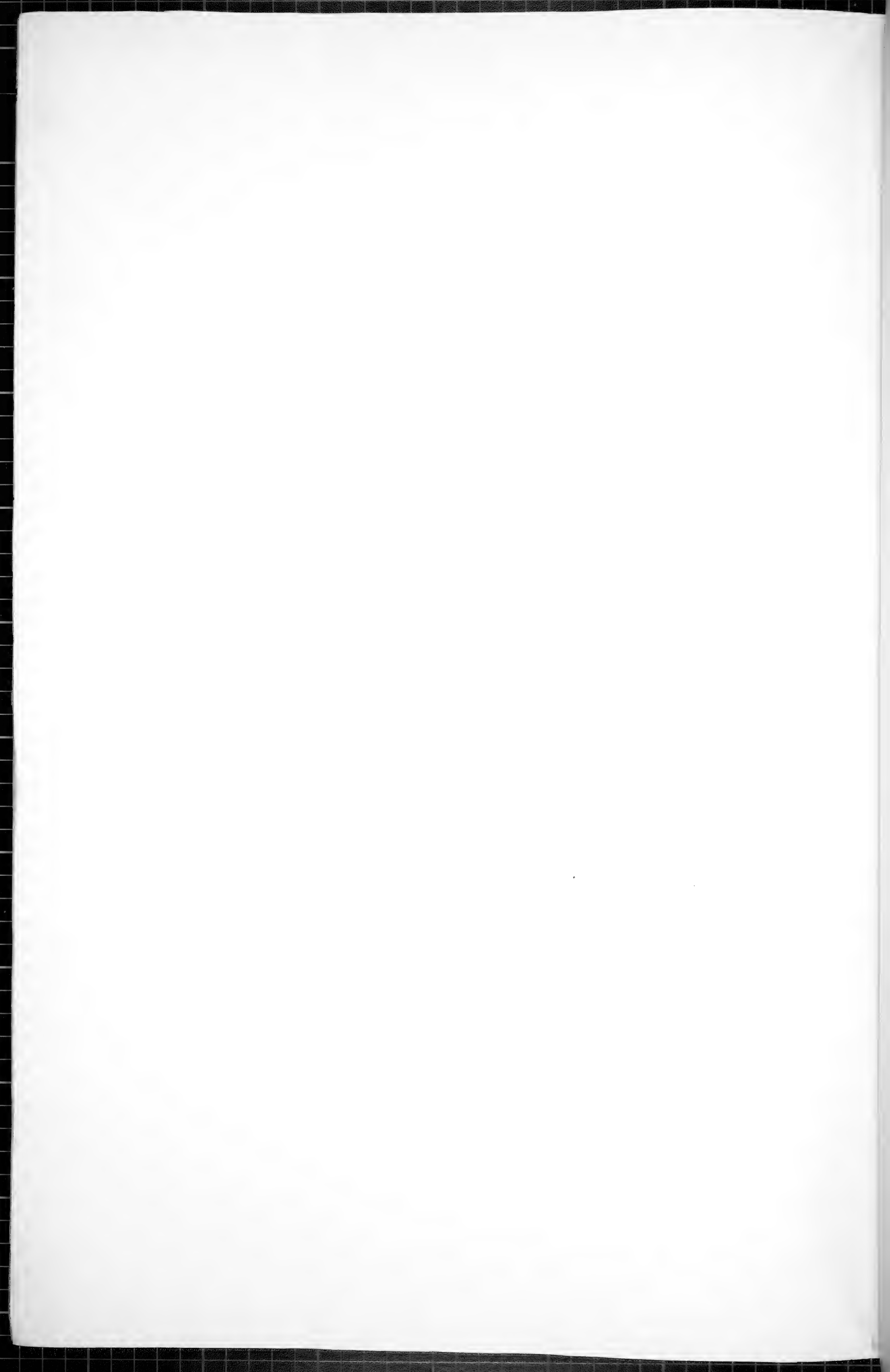
Loranthus celastroides.

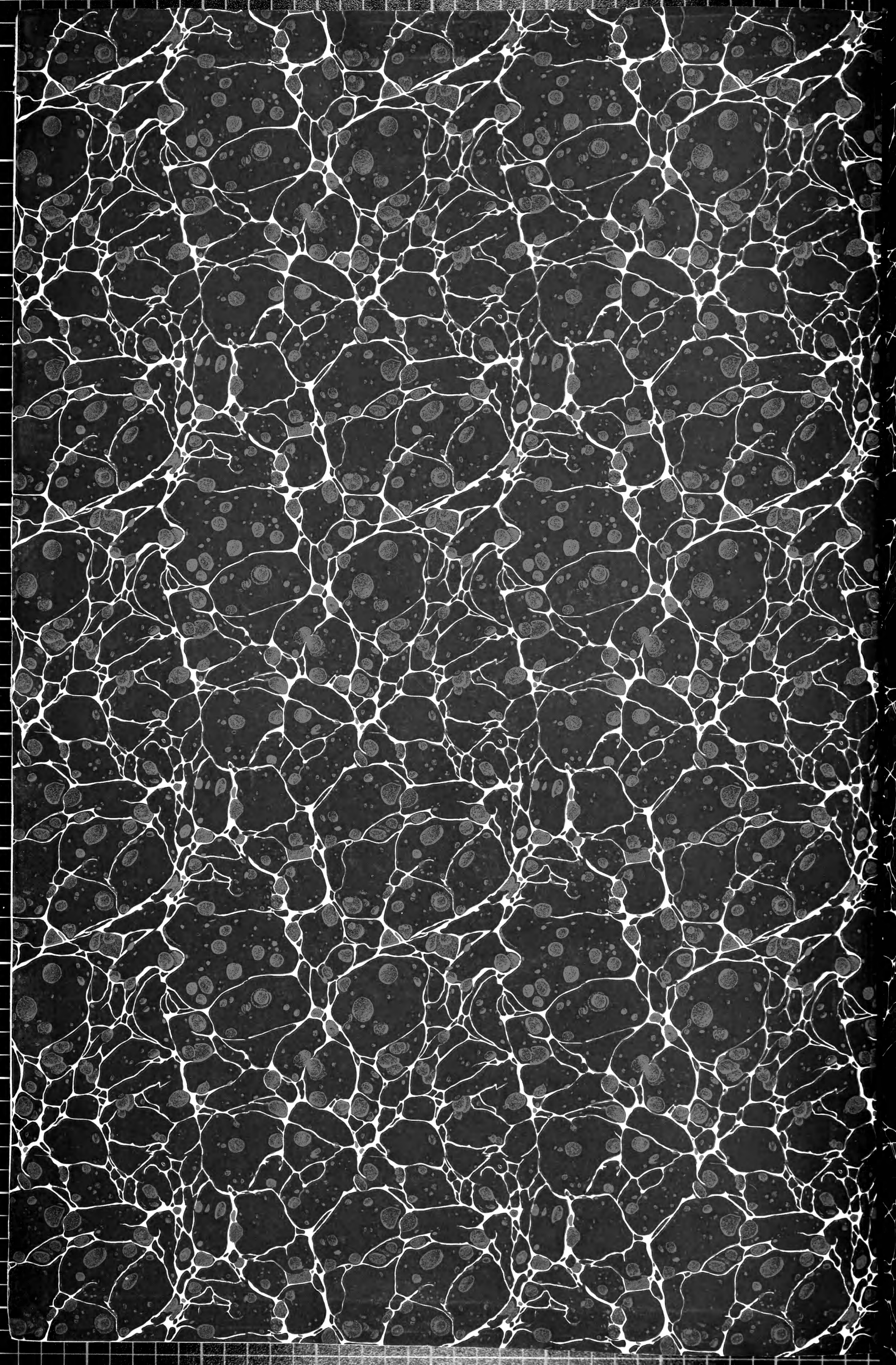


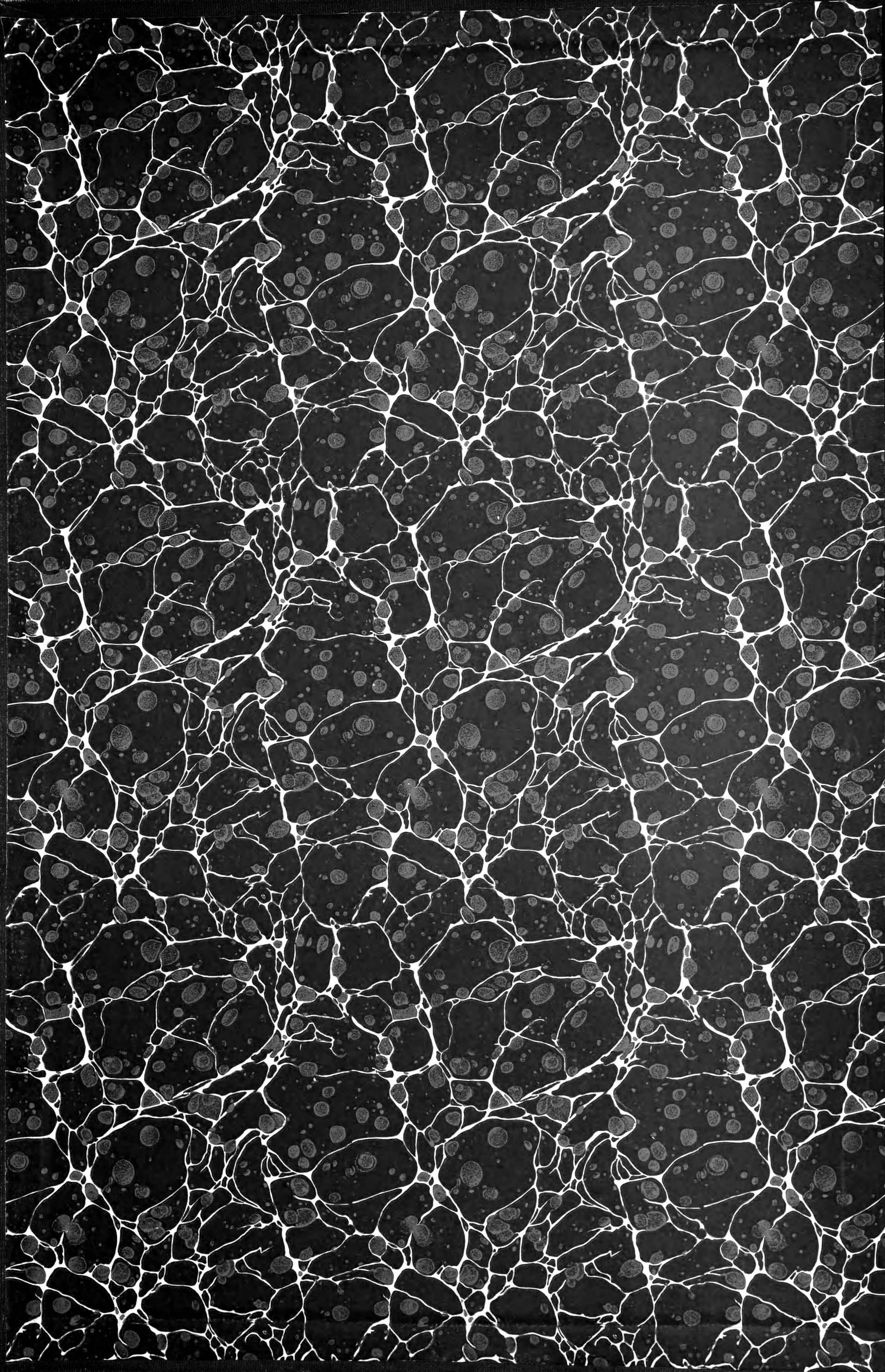












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